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PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 13:58:22 ON 25 JAN 2011
FILE 'CAPLUS' ENTERED AT 13:58:22 ON 25 JAN 2011
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	170.68	170.91

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-23.49	-23.49

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	171.20	171.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-23.49	-23.49

FILE 'REGISTRY' ENTERED AT 13:58:43 ON 25 JAN 2011
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JAN 2011 HIGHEST RN 1260364-77-9
DICTIONARY FILE UPDATES: 24 JAN 2011 HIGHEST RN 1260364-77-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> e mesotrione/cn

E1	1	MESOTOL/CN
E2	1	MESOTRIN/CN
E3	1 -->	MESOTRIONE/CN

E4	1	MESOTRIONE-2,4-D BUTYL ESTER MIXT./CN
E5	1	MESOTRIONE-2,4-D DIMETHYLAMINE MIXT./CN
E6	1	MESOTRIONE-2,4-D ETHYL ESTER MIXT./CN
E7	1	MESOTRIONE-2,4-D ISOCTYL ESTER MIXT./CN
E8	1	MESOTRIONE-2,4-D MIXT./CN
E9	1	MESOTRIONE-2,4-D SODIUM SALT MIXT./CN
E10	1	MESOTRIONE-ACETOCHLOR MIXT./CN
E11	1	MESOTRIONE-ATRAZINE MIXT./CN
E12	1	MESOTRIONE-BENSULFURON-METHYL MIXT./CN

=> e mesotrione-Cu/cn

E13	1	MESOTRIONE-CLOQUINTOCET MIXT./CN
E14	1	MESOTRIONE-CLOQUINTOCET-MEXYL MIXT./CN
E15	0	--> MESOTRIONE-CU/CN
E16	1	MESOTRIONE-CYANAZINE MIXT./CN
E17	1	MESOTRIONE-CYHALOFOP-BUTYL MIXT./CN
E18	1	MESOTRIONE-CYPROSULFAMIDE MIXT./CN
E19	1	MESOTRIONE-DICAMBA MIXT./CN
E20	1	MESOTRIONE-DIFLUFENZOPYR MIXT./CN
E21	1	MESOTRIONE-EPTC MIXT./CN
E22	1	MESOTRIONE-FENTRAZAMIDE MIXT./CN
E23	1	MESOTRIONE-FLAZASULFURON MIXT./CN
E24	1	MESOTRIONE-FLUCARBAZONE MIXT./CN

=> e mesotrione-Cl/cn

E25	1	MESOTRIONE-CHLORSULFURON MIXT./CN
E26	1	MESOTRIONE-CINOSULFURON MIXT./CN
E27	0	--> MESOTRIONE-CL/CN
E28	1	MESOTRIONE-CLOPYRALID MIXT./CN
E29	1	MESOTRIONE-CLOPYRALID-ATRAZINE MIXT./CN
E30	1	MESOTRIONE-CLOQUINTOCET MIXT./CN
E31	1	MESOTRIONE-CLOQUINTOCET-MEXYL MIXT./CN
E32	1	MESOTRIONE-CYANAZINE MIXT./CN
E33	1	MESOTRIONE-CYHALOFOP-BUTYL MIXT./CN
E34	1	MESOTRIONE-CYPROSULFAMIDE MIXT./CN
E35	1	MESOTRIONE-DICAMBA MIXT./CN
E36	1	MESOTRIONE-DIFLUFENZOPYR MIXT./CN

=> e mesotrione chloride/cn

E37	1	MESOTRIN/CN
E38	1	MESOTRIONE/CN
E39	0	--> MESOTRIONE CHLORIDE/CN
E40	1	MESOTRIONE-2,4-D BUTYL ESTER MIXT./CN
E41	1	MESOTRIONE-2,4-D DIMETHYLAMINE MIXT./CN
E42	1	MESOTRIONE-2,4-D ETHYL ESTER MIXT./CN
E43	1	MESOTRIONE-2,4-D ISOCTYL ESTER MIXT./CN
E44	1	MESOTRIONE-2,4-D MIXT./CN
E45	1	MESOTRIONE-2,4-D SODIUM SALT MIXT./CN
E46	1	MESOTRIONE-ACETOCHLOR MIXT./CN
E47	1	MESOTRIONE-ATRAZINE MIXT./CN
E48	1	MESOTRIONE-BENSULFURON-METHYL MIXT./CN

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.04	173.47
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-23.49

FILE 'CAPLUS' ENTERED AT 14:01:15 ON 25 JAN 2011

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FILE COVERS 1907 - 25 Jan 2011 VOL 154 ISS 5
FILE LAST UPDATED: 24 Jan 2011 (20110124/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s US 2007-580363/ap
L9 1 US 2007-580363/AP
(US2007-580363/AP)

=> d ibib ind

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2005:523211 CAPLUS
DOCUMENT NUMBER: 143:39502
TITLE: Herbicidal combinations comprising a HPPD-inhibiting herbicide and an insecticide
INVENTOR(S): Rueegg, Willy Thaddaeus; Urwiler, Michael Joseph; Clemens, Christoppher Glen
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 2005053407	A1	20050616	WO 2004-EP12417	20041103
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,			

EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG

CA 2546408	A1	20050616	CA 2004-2546408	20041103
EP 1703792	A1	20060927	EP 2004-797556	20041103
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
AR 47133	A1	20060111	AR 2004-104422	20041129
US 20080058212	A1	20080306	US 2007-580363	20070129 <--
PRIORITY APPLN. INFO.:			US 2003-526053P	P 20031201
			US 2004-545302P	P 20040217
			WO 2004-EP12417	W 20041103

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 143:39502

IPCI A01N0043-90 [ICM,7]; A01N0043-80 [ICS,7]; A01N0043-40 [ICS,7]; A01N0043-34 [ICS,7,C*]; A01N0043-56 [ICS,7]; A01N0043-48 [ICS,7,C*]; A01N0041-10 [ICS,7]; A01N0041-00 [ICS,7,C*]; A01N0057-16 [ICS,7]; A01N0057-12 [ICS,7]; A01N0057-00 [ICS,7,C*]; A01N0053-00 [ICS,7]; A01N0043-84 [ICS,7]; A01N0043-72 [ICS,7,C*]; A01N0043-70 [ICS,7]; A01N0043-64 [ICS,7,C*]; A01N0037-22 [ICS,7]; A01N0051-00 [ICS,7]

IPCR A01N0041-00 [I,C*]; A01N0041-10 [I,A]; A01N0043-34 [I,C*]; A01N0043-40 [I,A]; A01N0043-48 [I,C*]; A01N0043-56 [I,A]; A01N0043-72 [I,C*]; A01N0043-80 [I,A]; A01N0043-90 [I,C*]; A01N0043-90 [I,A]

CC 5-3 (Agrochemical Bioregulators)

ST HPPD inhibiting herbicide insecticide compn

IT Herbicides

Insecticides

(herbicidal combinations comprising a HPPD-inhibiting herbicide and an insecticide)

IT Bacillus sphaericus

Bacillus thuringiensis

Schoenocaulon

(mixts. with HPPD-inhibiting herbicides; herbicidal combinations)

IT Petroleum, biological studies

Pyrethrins

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(mixts. with HPPD-inhibiting herbicides; herbicidal combinations)

IT Toxins

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(S-endotoxins, mixts. with HPPD-inhibiting herbicides; herbicidal combinations)

IT 1912-24-9D, Atrazine, mesotrione-Cu and S-metolachlor and benoxacor mixture containing 7440-50-8D, Copper, mesotrione complexes, mixture containing 87392-12-9D, S-Metolachlor, mesotrione-Cu and benoxacor mixture containing 98730-04-2D, Benoxacor, mesotrione-Cu and S-metolachlor mixture containing 104206-82-8D, Mesotrione, copper complexes, mixture containing 104206-82-8D, Mesotrione, mixts. with insecticides 156963-66-5D, mixts. with insecticides 187270-87-7D, mixts. with insecticides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(herbicidal combination)

IT 50-29-3D, mixts. with HPPD-inhibiting herbicides 52-68-6D, mixts. with HPPD-inhibiting herbicides 54-11-5D, Nicotine, mixts. with HPPD-inhibiting herbicides 55-38-9D, Fenthion, mixts. with HPPD-inhibiting herbicides 56-23-5D, Carbon tetrachloride, mixts. with HPPD-inhibiting herbicides 56-38-2D, Parathion, mixts. with HPPD-inhibiting herbicides 56-72-4D, Coumaphos, mixts. with HPPD-inhibiting herbicides 58-89-9D, GammaHCH, mixts. with HPPD-inhibiting herbicides 60-51-5D, Dimethoate, mixts. with HPPD-inhibiting herbicides 60-57-1D, Dieldrin, mixts. with HPPD-inhibiting herbicides 62-73-7D, Dichlorovos, mixts. with HPPD-inhibiting herbicides 63-25-2D, Carbaryl, mixts. with HPPD-inhibiting herbicides 70-38-2D, Dimethrin, mixts. with

HPPD-inhibiting herbicides 72-43-5D, Methoxychlor, mixts. with
HPPD-inhibiting herbicides 72-54-8D, TDE, mixts. with HPPD-inhibiting
herbicides 74-83-9D, Methyl bromide, mixts. with HPPD-inhibiting
herbicides 74-90-8D, Hydrogen cyanide, mixts. with HPPD-inhibiting
herbicides 75-15-0D, Carbon disulfide, mixts. with HPPD-inhibiting
herbicides 76-06-2D, Chloropicrin, mixts. with HPPD-inhibiting
herbicides 76-44-8D, Heptachlor, mixts. with HPPD-inhibiting herbicides
78-34-2D, Dioxathion, mixts. with HPPD-inhibiting herbicides 78-53-5D,
Amiton, mixts. with HPPD-inhibiting herbicides 78-57-9D, Menazon, mixts.
with HPPD-inhibiting herbicides 83-79-4D, Rotenone, mixts. with
HPPD-inhibiting herbicides 86-50-0D, Azinphosmethyl, mixts. with
HPPD-inhibiting herbicides 87-86-5D, Pentachlorophenol, mixts. with
HPPD-inhibiting herbicides 97-17-6D, Dichlofenthion, mixts. with
HPPD-inhibiting herbicides 106-93-4D, Ethylene dibromide, mixts. with
HPPD-inhibiting herbicides 107-06-2D, Ethylene dichloride, mixts. with
HPPD-inhibiting herbicides 107-13-1D, Acrylonitrile, mixts. with
HPPD-inhibiting herbicides 107-49-3D, TEPP, mixts. with HPPD-inhibiting
herbicides 112-80-1D, Oleic acid, mixts. with HPPD-inhibiting herbicides
114-26-1D, Propoxur, mixts. with HPPD-inhibiting herbicides 115-26-4D,
Dimefox, mixts. with HPPD-inhibiting herbicides 115-29-7D, Endosulfan,
mixts. with HPPD-inhibiting herbicides 115-90-2D, Fensulfothion, mixts.
with HPPD-inhibiting herbicides 116-01-8D, Ethoatemethyl, mixts. with
HPPD-inhibiting herbicides 116-06-3D, Aldicarb, mixts. with
HPPD-inhibiting herbicides 119-12-0D, Pyridaphenthion, mixts. with
HPPD-inhibiting herbicides 121-75-5D, Malathion, mixts. with
HPPD-inhibiting herbicides 122-14-5D, Fenitrothion, mixts. with
HPPD-inhibiting herbicides 126-22-7D, Butonate, mixts. with
HPPD-inhibiting herbicides 126-75-0D, Demeton-S, mixts. with
HPPD-inhibiting herbicides 131-89-5D, Dinex, mixts. with HPPD-inhibiting
herbicides 141-66-2D, Dicrotophos, mixts. with HPPD-inhibiting
herbicides 143-50-0D, mixts. with HPPD-inhibiting herbicides
144-41-2D, Morphothion, mixts. with HPPD-inhibiting herbicides 144-54-7,
Metam 152-16-9D, Schradan, mixts. with HPPD-inhibiting herbicides
297-78-9D, Isobenzan, mixts. with HPPD-inhibiting herbicides 298-00-0D,
Parathion-methyl, mixts. with HPPD-inhibiting herbicides 298-02-2D,
Phorate, mixts. with HPPD-inhibiting herbicides 298-03-3D, Demeton-O,
mixts. with HPPD-inhibiting herbicides 298-04-4D, Disulfoton, mixts.
with HPPD-inhibiting herbicides 299-86-5D, Crufomate, mixts. with
HPPD-inhibiting herbicides 300-76-5D, Naled, mixts. with HPPD-inhibiting
herbicides 301-12-2D, Oxydemetonmethyl, mixts. with HPPD-inhibiting
herbicides 309-00-2D, Aldrin, mixts. with HPPD-inhibiting herbicides
315-18-4D, Mexacarbate, mixts. with HPPD-inhibiting herbicides
327-98-0D, Trichloronat, mixts. with HPPD-inhibiting herbicides
333-41-5D, mixts. with HPPD-inhibiting herbicides 370-50-3D, Flucifuron,
mixts. with HPPD-inhibiting herbicides 371-86-8D, Mipafox, mixts. with
HPPD-inhibiting herbicides 465-73-6D, Isodrin, mixts. with
HPPD-inhibiting herbicides 470-90-6D, mixts. with HPPD-inhibiting
herbicides 494-52-0D, Anabasine, mixts. with HPPD-inhibiting herbicides
533-74-4D, Dazomet, mixts. with HPPD-inhibiting herbicides 534-52-1D,
DNOC, mixts. with HPPD-inhibiting herbicides 556-61-6D, Methyl
isothiocyanate, mixts. with HPPD-inhibiting herbicides 563-12-2D,
Ethion, mixts. with HPPD-inhibiting herbicides 572-48-5D, Coumthioate,
mixts. with HPPD-inhibiting herbicides 584-79-2D, Bioallethrin, mixts.
with HPPD-inhibiting herbicides 640-15-3D, Thiometon, mixts. with
HPPD-inhibiting herbicides 644-64-4D, Dimetilan, mixts. with
HPPD-inhibiting herbicides 671-04-5D, Carbanolate, mixts. with
HPPD-inhibiting herbicides 682-80-4D, Demephion-O, mixts. with
HPPD-inhibiting herbicides 732-11-6D, Phosmet, mixts. with
HPPD-inhibiting herbicides 786-19-6D, Carbophenothion, mixts. with
HPPD-inhibiting herbicides 867-27-6D, Demeton-O-methyl, mixts. with
HPPD-inhibiting herbicides 919-76-6D, Amidithion, mixts. with
HPPD-inhibiting herbicides 919-86-8D, ,Demeton-S-methyl, mixts. with

HPPD-inhibiting herbicides 944-22-9D, Fonofos, mixts. with
 HPPD-inhibiting herbicides 947-02-4D, Phosfolan, mixts. with
 HPPD-inhibiting herbicides 950-10-7D, Mephosfolan, mixts. with
 HPPD-inhibiting herbicides 950-37-8D, Methidathion, mixts. with
 HPPD-inhibiting herbicides 1071-83-6D, Glyphosate, mixts. with
 HPPD-inhibiting herbicides and insecticides 1113-02-6D, Omethoate,
 mixts. with HPPD-inhibiting herbicides 1129-41-5D, Metolcarb, mixts.
 with HPPD-inhibiting herbicides 1303-96-4D, Borax, mixts. with
 HPPD-inhibiting herbicides 1344-81-6D, Calcium polysulfide, mixts. with
 HPPD-inhibiting herbicides 1563-66-2D, Carbofuran, mixts. with
 HPPD-inhibiting herbicides 1563-67-3D, Decarbofuran, mixts. with
 HPPD-inhibiting herbicides 1646-88-4D, Aldoxycarb, mixts. with
 HPPD-inhibiting herbicides 1912-24-9D, Atrazine, mixts. with
 HPPD-inhibiting herbicides and insecticides 1918-00-9D, Dicamba, mixts.
 with HPPD-inhibiting herbicides and insecticides 2032-59-9D, Aminocarb,
 mixts. with HPPD-inhibiting herbicides 2032-65-7D, Methiocarb, mixts.
 with HPPD-inhibiting herbicides 2104-64-5D, EPN, mixts. with
 HPPD-inhibiting herbicides 2104-96-3D, Bromophos, mixts. with
 HPPD-inhibiting herbicides 2274-67-1D, Dimethylvinphos, mixts. with
 HPPD-inhibiting herbicides 2275-14-1D, Phenkapton, mixts. with
 HPPD-inhibiting herbicides 2275-18-5D, Prothoate, mixts. with
 HPPD-inhibiting herbicides 2275-23-2D, Vamidothion, mixts. with
 HPPD-inhibiting herbicides 2310-17-0D, Phosalone, mixts. with
 HPPD-inhibiting herbicides 2385-85-5D, Mirex, mixts. with
 HPPD-inhibiting herbicides 2425-10-7D, Xyllylcarb, mixts. with
 HPPD-inhibiting herbicides 2463-84-5D, Dicapthon, mixts. with
 HPPD-inhibiting herbicides 2497-07-6D, Oxydisulfoton, mixts. with
 HPPD-inhibiting herbicides 2540-82-1D, Formothion, mixts. with
 HPPD-inhibiting herbicides 2550-75-6D, Chlorbicyclen, mixts. with
 HPPD-inhibiting herbicides 2587-90-8D, Demephion-S, mixts. with
 HPPD-inhibiting herbicides 2595-54-2D, Mecarbam, mixts. with
 HPPD-inhibiting herbicides 2597-03-7D, Phenthoate, mixts. with
 HPPD-inhibiting herbicides 2631-37-0D, Promecarb, mixts. with
 HPPD-inhibiting herbicides 2631-40-5D, Isoproc carb, mixts. with
 HPPD-inhibiting herbicides 2636-26-2D, Cyanophos, mixts. with
 HPPD-inhibiting herbicides 2642-71-9D, Azinphosethyl, mixts. with
 HPPD-inhibiting herbicides 2655-14-3D, XMC, mixts. with HPPD-inhibiting
 herbicides 2655-19-8D, Butacarb, mixts. with HPPD-inhibiting herbicides
 2669-32-1D, Lythidathion, mixts. with HPPD-inhibiting herbicides
 2674-91-1D, Oxydeprofos, mixts. with HPPD-inhibiting herbicides
 2699-79-8D, Sulfuryl fluoride, mixts. with HPPD-inhibiting herbicides
 2778-04-3D, Endothion, mixts. with HPPD-inhibiting herbicides
 2921-88-2D, ,Chloropyrifos, mixts. with HPPD-inhibiting herbicides
 3383-96-8D, Temephos, mixts. with HPPD-inhibiting herbicides 3689-24-5D,
 Sulfotep, mixts. with HPPD-inhibiting herbicides 3734-95-0D, Cyanthoate,
 mixts. with HPPD-inhibiting herbicides 3761-41-9D, Mesulfenfos, mixts.
 with HPPD-inhibiting herbicides 3766-81-2D, Fenobucarb, mixts. with
 HPPD-inhibiting herbicides 3811-49-2D, Dioxabenzofos, mixts. with
 HPPD-inhibiting herbicides 4151-50-2D, Sulfluramid, mixts. with
 HPPD-inhibiting herbicides 4234-79-1D, Kelevan, mixts. with
 HPPD-inhibiting herbicides 4824-78-6D, Bromophosethyl, mixts. with
 HPPD-inhibiting herbicides 5221-49-8D, Pyrimitate, mixts. with
 HPPD-inhibiting herbicides 5598-13-0D, mixts. with HPPD-inhibiting
 herbicides 5598-52-7D, Fospirate, mixts. with HPPD-inhibiting herbicides
 5826-76-6D, Phosnichlor, mixts. with HPPD-inhibiting herbicides
 5827-05-4D, IPSP, mixts. with HPPD-inhibiting herbicides 5834-96-8D,
 Azothoate, mixts. with HPPD-inhibiting herbicides 5915-41-3D,
 Terbuthylazine, mixts. with HPPD-inhibiting herbicides and insecticides
 6164-98-3D, Chlordimeform, mixts. with HPPD-inhibiting herbicides
 6392-46-7D, Allyxycarb, mixts. with HPPD-inhibiting herbicides
 6923-22-4D, Monocrotophos, mixts. with HPPD-inhibiting herbicides
 6988-21-2D, Dioxacarb, mixts. with HPPD-inhibiting herbicides

7219-78-5D, Mazidox, mixts. with HPPD-inhibiting herbicides 7292-16-2D, PPropaphos, mixts. with HPPD-inhibiting herbicides 7345-69-9D, GY-81, mixts. with HPPD-inhibiting herbicides 7681-49-4D, Sodium fluoride, mixts. with HPPD-inhibiting herbicides 7700-17-6D, Crotoxyphos, mixts. with HPPD-inhibiting herbicides 7786-34-7D, Mevinphos, mixts. with HPPD-inhibiting herbicides 7803-51-2D, Phosphine, mixts. with HPPD-inhibiting herbicides 8001-35-2D, Camphechlor, mixts. with HPPD-inhibiting herbicides 8022-00-2D, Demetonmethyl, mixts. with HPPD-inhibiting herbicides 8065-36-9D, Bufencarb, mixts. with HPPD-inhibiting herbicides 8065-48-3D, Demeton, mixts. with HPPD-inhibiting herbicides 8065-62-1, Demephion 10112-91-1D, Mercurous chloride, mixts. with HPPD-inhibiting herbicides 10265-92-6D, Methamidophos, mixts. with HPPD-inhibiting herbicides 10311-84-9D, Dialifos, mixts. with HPPD-inhibiting herbicides 10453-86-8D, Resmethrin, mixts. with HPPD-inhibiting herbicides 11141-17-6D, Azadirachtin, mixts. with HPPD-inhibiting herbicides 12407-86-2D, Trimethacarb, mixts. with HPPD-inhibiting herbicides 12789-03-6D, Chlordane, mixts. with HPPD-inhibiting herbicides 13067-93-1D, Cyanofenphos, mixts. with HPPD-inhibiting herbicides 13171-21-6D, Phosphamidon, mixts. with HPPD-inhibiting herbicides 13194-48-4D, Ethoprophos, mixts. with HPPD-inhibiting herbicides 13457-18-6D, Pyrazophos, mixts. with HPPD-inhibiting herbicides 13593-03-8D, Quinalphos, mixts. with HPPD-inhibiting herbicides 13593-08-3D, Quinalphosmethyl, mixts. with HPPD-inhibiting herbicides 14816-16-1D, Phoximmethyl,., mixts. with HPPD-inhibiting herbicides 14816-18-3D, Phoxim, mixts. with HPPD-inhibiting herbicides 14816-20-7D, mixts. with HPPD-inhibiting herbicides 15096-52-3D, Cryolite, mixts. with HPPD-inhibiting herbicides 15263-53-3D, Cartap, mixts. with HPPD-inhibiting herbicides 15589-31-8D, Terallethrin, mixts. with HPPD-inhibiting herbicides 16752-77-5D, Methomyl, mixts. with HPPD-inhibiting herbicides 16893-85-9D, Sodium hexafluorosilicate, mixts. with HPPD-inhibiting herbicides 17040-19-6D, mixts. with HPPD-inhibiting herbicides 17080-02-3D, Furethrin, mixts. with HPPD-inhibiting herbicides 17606-31-4D, Bensultap, mixts. with HPPD-inhibiting herbicides 18181-70-9D, Jodfenphos, mixts. with HPPD-inhibiting herbicides 18809-57-9, EMPC 18854-01-8D, Isoxathion, mixts. with HPPD-inhibiting herbicides 19691-80-6D, Athidathion, mixts. with HPPD-inhibiting herbicides 20425-39-2D, Pyresmethrin, mixts. with HPPD-inhibiting herbicides 21548-32-3D, Fosthietan, mixts. with HPPD-inhibiting herbicides 22259-30-9D, Formetanate, mixts. with HPPD-inhibiting herbicides 22439-40-3D, Quinothion, mixts. with HPPD-inhibiting herbicides 22781-23-3D, Bendiocarb, mixts. with HPPD-inhibiting herbicides 23031-36-9, Prallethrin 23103-98-2D, Pirimicarb, mixts. with HPPD-inhibiting herbicides 23135-22-0D, Oxamyl, mixts. with HPPD-inhibiting herbicides 23505-41-1D, Pirimiphosethyl, mixts. with HPPD-inhibiting herbicides 23560-59-0D, Heptenophos, mixts. with HPPD-inhibiting herbicides 24017-47-8D, Triazofos, mixts. with HPPD-inhibiting herbicides 24353-61-5D, mixts. with HPPD-inhibiting herbicides 24934-91-6D, mixts. with HPPD-inhibiting herbicides 25171-63-5D, Thiocarboxime, mixts. with HPPD-inhibiting herbicides 25311-71-1D, Isofenphos, mixts. with HPPD-inhibiting herbicides 25601-84-7D, Methocrotophos, mixts. with HPPD-inhibiting herbicides 26002-80-2D, Phenothrin, mixts. with HPPD-inhibiting herbicides 28434-00-6D, S-Bioallethrin, mixts. with HPPD-inhibiting herbicides 28434-01-7D, Bioresmethrin, mixts. with HPPD-inhibiting herbicides 29104-30-1D, Benzoximate, mixts. with HPPD-inhibiting herbicides 29173-31-7D, Mecarphon, mixts. with HPPD-inhibiting herbicides 29232-93-7D, Pirimiphosmethyl, mixts. with HPPD-inhibiting herbicides 29672-19-3D, Nitrilacarb, mixts. with HPPD-inhibiting herbicides 29973-13-5D, Ethiofencarb, mixts. with HPPD-inhibiting herbicides 30560-19-1D, Acephate, mixts. with HPPD-inhibiting herbicides 30864-28-9D, Methacrifos, mixts. with HPPD-inhibiting herbicides

31218-83-4D, Propetamphos, mixts. with HPPD-inhibiting herbicides
 31377-69-2D, Pirimetaphos, mixts. with HPPD-inhibiting herbicides
 31895-21-3D, Thiocyclam, mixts. with HPPD-inhibiting herbicides
 33089-61-1D, Amitraz, mixts. with HPPD-inhibiting herbicides
 33399-00-7D, Bromfeninfos, mixts. with HPPD-inhibiting herbicides
 34264-24-9D, Promacyl, mixts. with HPPD-inhibiting herbicides
 34643-46-4D, Prothiofos, mixts. with HPPD-inhibiting herbicides
 34681-10-2D, Butocarboxim, mixts. with HPPD-inhibiting herbicides
 34681-23-7D, Butoxycarboxim, mixts. with HPPD-inhibiting herbicides
 35367-38-5D, Diflubenzuron, mixts. with HPPD-inhibiting herbicides
 35400-43-2D, Sulprofos, mixts. with HPPD-inhibiting herbicides
 35575-96-3D, Azamethiphos, mixts. with HPPD-inhibiting herbicides
 36145-08-1D, Chlorprazophos, mixts. with HPPD-inhibiting herbicides
 36614-38-7D, Isothioate, mixts. with HPPD-inhibiting herbicides
 37764-25-3D, Dichlormid, mixts. with HPPD-inhibiting herbicides and
 insecticides 38260-63-8D, Lirimfos, mixts. with HPPD-inhibiting
 herbicides 38524-82-2D, Trifenofos, mixts. with HPPD-inhibiting
 herbicides 39196-18-4D, Thiofanox, mixts. with HPPD-inhibiting
 herbicides 39247-96-6D, Primidophos, mixts. with HPPD-inhibiting
 herbicides 39515-40-7D, Cyphenothrin, mixts. with HPPD-inhibiting
 herbicides 39515-41-8D, Fenpropathrin, mixts. with HPPD-inhibiting
 herbicides 40085-57-2D, Tazimcarb, mixts. with HPPD-inhibiting
 herbicides 40596-69-8D, Methoprene, mixts. with HPPD-inhibiting
 herbicides 40596-80-3D, Triprene, mixts. with HPPD-inhibiting herbicides
 41096-46-2D, Hydroprene, mixts. with HPPD-inhibiting herbicides
 41198-08-7D, Profenofos, mixts. with HPPD-inhibiting herbicides
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (herbicidal combinations)

IT 41219-31-2D, Dithicrofos, mixts. with HPPD-inhibiting herbicides
 41219-32-3D, Thicrofos, mixts. with HPPD-inhibiting herbicides
 42509-80-8D, Isazofos, mixts. with HPPD-inhibiting herbicides
 42588-37-4D, Kinoprene, mixts. with HPPD-inhibiting herbicides
 50864-67-0D, Barium polysulfide, mixts. with HPPD-inhibiting herbicides
 51218-45-2D, Metolachlor, mixts. with HPPD-inhibiting herbicides and
 insecticides 51596-10-2D, Milbemectin, mixts. with HPPD-inhibiting
 herbicides 51630-58-1D, Fenvalerate, mixts. with HPPD-inhibiting
 herbicides 51877-74-8D, Biopermethrin, mixts. with HPPD-inhibiting
 herbicides 52207-48-4D, Thiosultapsodium, mixts. with HPPD-inhibiting
 herbicides 52315-07-8, Cypermethrin 52315-07-8D, Zetacypermethrin,
 mixts. with HPPD-inhibiting herbicides 52645-53-1, Permethrin
 52918-63-5D, Deltamethrin, mixts. with HPPD-inhibiting herbicides
 54406-48-3, Empenthrin 54593-83-8D, Chlorethoxyfos, mixts. with
 HPPD-inhibiting herbicides 55285-14-8D, Carbosulfan, mixts. with
 HPPD-inhibiting herbicides 57342-02-6D, Epofenonane, mixts. with
 HPPD-inhibiting herbicides 57960-19-7D, Acequinocyl, mixts. with
 HPPD-inhibiting herbicides 58769-20-3D, RU 15525, mixts. with
 HPPD-inhibiting herbicides 58842-20-9D, Nithiazine, mixts. with
 HPPD-inhibiting herbicides 59669-26-0D, Thiodicarb, mixts. with
 HPPD-inhibiting herbicides 60238-56-4D, Chlorthiophos, mixts. with
 HPPD-inhibiting herbicides 60589-06-2D, Metoxadiazone, mixts. with
 HPPD-inhibiting herbicides 61444-62-0D, Nifluridide, mixts. with
 HPPD-inhibiting herbicides 61949-77-7D, trans-Permethrin, mixts. with
 HPPD-inhibiting herbicides 63837-33-2D, Diofenolan, mixts. with
 HPPD-inhibiting herbicides 63935-38-6, Cycloprothrin 64628-44-0D,
 Triflumuron, mixts. with HPPD-inhibiting herbicides 65907-30-4D,
 Furathiocarb, mixts. with HPPD-inhibiting herbicides 66215-27-8D,
 Cyromazine, mixts. with HPPD-inhibiting herbicides 66230-04-4,
 Esfenvalerate 66841-25-6D, Tralomethrin, mixts. with HPPD-inhibiting
 herbicides 67375-30-8D, Alphacypermethrin, mixts. with HPPD-inhibiting
 herbicides 67485-29-4D, Hydramethylnon, mixts. with HPPD-inhibiting
 herbicides 68085-85-8D, Cyhalothrin, mixts. with HPPD-inhibiting
 herbicides 68359-37-5D, Betacyfluthrin, mixts. with HPPD-inhibiting

herbicides 68523-18-2D, Fenpirithrin, mixts. with HPPD-inhibiting
 herbicides 69327-76-0D, Buprofezin, mixts. with HPPD-inhibiting
 herbicides 69409-94-5D, Fluvalinate, mixts. with HPPD-inhibiting
 herbicides 69770-45-2D, Flumethrin, mixts. with HPPD-inhibiting
 herbicides 70124-77-5D, Flucythrinate, mixts. with HPPD-inhibiting
 herbicides 71422-67-8D, Chlorfluazuron, mixts. with HPPD-inhibiting
 herbicides 71697-59-1D, Thetacypermethrin, mixts. with HPPD-inhibiting
 herbicides 71751-41-2D, Abamectin, mixts. with HPPD-inhibiting
 herbicides 72490-01-8D, Fenoxycarb, mixts. with HPPD-inhibiting
 herbicides 72850-64-7D, Flurazole, mixts. with HPPD-inhibiting
 herbicides and insecticides 72963-72-5D, Imiprothrin, mixts. with
 HPPD-inhibiting herbicides 75867-00-4D, Fenfluthrin, mixts. with
 HPPD-inhibiting herbicides 79538-32-2D, Tefluthrin, mixts. with
 HPPD-inhibiting herbicides 80060-09-9, Diafenthiuron 82560-54-1D,
 Benfuracarb, mixts. with HPPD-inhibiting herbicides 82657-04-3D,
 Bifenthrin, mixts. with HPPD-inhibiting herbicides 83121-18-0D,
 Teflubenzuron, mixts. with HPPD-inhibiting herbicides 83130-01-2D,
 Alanycarb, mixts. with HPPD-inhibiting herbicides 83733-82-8,
 Fosmethilan 84466-05-7D, Amidoflumet, mixts. with HPPD-inhibiting
 herbicides 86479-06-3D, HExaflumuron, mixts. with HPPD-inhibiting
 herbicides 87392-12-9D, s-Metolachlor, mixts. with HPPD-inhibiting
 herbicides and insecticides 88349-88-6D, Cloquintocet, mixts. with
 HPPD-inhibiting herbicides and insecticides 88485-37-4D, Fluxofenim,
 mixts. with HPPD-inhibiting herbicides and insecticides 89784-60-1D,
 Pyraclofos, mixts. with HPPD-inhibiting herbicides 90338-20-8D,
 Butathiofos, mixts. with HPPD-inhibiting herbicides 91465-08-6D, mixts.
 with HPPD-inhibiting herbicides 94125-34-5D, Prosulfuron, mixts. with
 HPPD-inhibiting herbicides and insecticides 95465-99-9D, Cadusafos,
 mixts. with HPPD-inhibiting herbicides 95737-68-1D, Pyriproxyfen, mixts.
 with HPPD-inhibiting herbicides 96182-53-5D, Tebupirimfos, mixts. with
 HPPD-inhibiting herbicides 96489-71-3D, Pyridaben, mixts. with
 HPPD-inhibiting herbicides 98730-04-2D, Benoxacor, mixts. with
 HPPD-inhibiting herbicides and insecticides 98886-44-3D, Fosthiazate,
 mixts. with HPPD-inhibiting herbicides 101007-06-1D, Acrinathrin, mixts.
 with HPPD-inhibiting herbicides 102851-06-9D, Taufluvalinate, mixts.
 with HPPD-inhibiting herbicides 103055-07-8D, Lufenuron, mixts. with
 HPPD-inhibiting herbicides 105024-66-6D, Silafluofen, mixts. with
 HPPD-inhibiting herbicides 105779-78-0D, Pyrimidifen, mixts. with
 HPPD-inhibiting herbicides 107713-58-6D, Flufenprox, mixts. with
 HPPD-inhibiting herbicides 111988-49-9D, Thiacloprid, mixts. with
 HPPD-inhibiting herbicides 111991-09-4D, Nicosulfuron, mixts. with
 HPPD-inhibiting herbicides and insecticides 112143-82-5D, Triazamate,
 mixts. with HPPD-inhibiting herbicides 112226-61-6D, Halofenozide,
 mixts. with HPPD-inhibiting herbicides 112410-23-8D, Tebufenozide,
 mixts. with HPPD-inhibiting herbicides 112636-83-6D, Dicyclanil, mixts.
 with HPPD-inhibiting herbicides 113036-87-6D, Primisulfuron, mixts. with
 HPPD-inhibiting herbicides and insecticides 113036-88-7D, Flucycloxuron,
 mixts. with HPPD-inhibiting herbicides 114797-39-6D, Methothrin, mixts.
 with HPPD-inhibiting herbicides 116714-46-6D, Novaluron, mixts. with
 HPPD-inhibiting herbicides 118712-89-3D, Transfluthrin, mixts. with
 HPPD-inhibiting herbicides 119791-41-2D, Eamectin, mixts. with
 HPPD-inhibiting herbicides 120068-37-3D, Fipronil, mixts. with
 HPPD-inhibiting herbicides 121451-02-3, Noviflumuron 121776-33-8D,
 Furilazole, mixts. with HPPD-inhibiting herbicides and insecticides
 122453-73-0D, Chlorfenapyr, mixts. with HPPD-inhibiting herbicides
 122705-57-1D, mixts. with HPPD-inhibiting herbicides 122931-48-0D,
 Rimsulfuron, mixts. with HPPD-inhibiting herbicides and insecticides
 123312-89-0D, Pymetrozine, mixts. with HPPD-inhibiting herbicides
 129558-76-5D, Tolfenpyrad, mixts. with HPPD-inhibiting herbicides
 135410-20-7D, Acetamiprid, mixts. with HPPD-inhibiting herbicides
 138261-41-3D, Imidacloprid, mixts. with HPPD-inhibiting herbicides
 143807-66-3D, Chromafenozide, mixts. with HPPD-inhibiting herbicides

145099-21-4D, Trifloxysulfuron., mixts. with HPPD-inhibiting herbicides and insecticides 148477-71-8D, Spirodiclofen, mixts. with HPPD-inhibiting herbicides 149877-41-8D, Bifenazate, mixts. with HPPD-inhibiting herbicides 150824-47-8D, Nitenpyram, mixts. with HPPD-inhibiting herbicides 153233-91-1D, Etoxazole, mixts. with HPPD-inhibiting herbicides 153719-23-4D, Thiamethoxam, mixts. with HPPD-inhibiting herbicides 158062-67-0D, Flonicamid, mixts. with HPPD-inhibiting herbicides 160791-64-0D, ZXI 8901., mixts. with HPPD-inhibiting herbicides 161050-58-4D, Methoxyfenozide, mixts. with HPPD-inhibiting herbicides 163515-14-8D, Dimethenamid P, mixts. with HPPD-inhibiting herbicides and insecticides 165252-70-0D, Dinotefuran, mixts. with HPPD-inhibiting herbicides 170015-32-4D, Flufennerim, mixts. with HPPD-inhibiting herbicides 173159-57-4D, Foramsulfuron, mixts. with HPPD-inhibiting herbicides and insecticides 173584-44-6D, Indoxacarb, mixts. with HPPD-inhibiting herbicides 179101-81-6D, Pyridalyl, mixts. with HPPD-inhibiting herbicides 181587-01-9D, Ethiprole, mixts. with HPPD-inhibiting herbicides 201593-84-2D, Bistrifluron, mixts. with HPPD-inhibiting herbicides 209861-58-5D, Acetoprole, mixts. with HPPD-inhibiting herbicides 209866-92-2D, Isoxadifen, mixts. with HPPD-inhibiting herbicides and insecticides 210880-92-5D, Clothianidin, mixts. with HPPD-inhibiting herbicides 229977-93-9D, Fluacrypyrim, mixts. with HPPD-inhibiting herbicides 231937-89-6D, mixts. with HPPD-inhibiting herbicides 283594-90-1D, Spiromesifen, mixts. with HPPD-inhibiting herbicides 500790-39-6D, mixts. with HPPD-inhibiting herbicides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(herbicidal combinations)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L5 4853 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L4 AND (SURFACE OR
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L6 169 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L5 AND (NANOPARTICLE
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L9 1 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON US 2007-580363/AP

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.67	179.14

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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ENTRY	SESSION
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NEWS	3	OCT 06	Increase your retrieval consistency with new formats or for Taiwanese application numbers in CA/CAPLUS.
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NEWS	5	OCT 22	New version of STN Viewer preserves custom highlighting of terms when patent documents are saved in .rtf format
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NEWS	11	NOV 24	Search an additional 46,850 records with MEDLINE backfile extension to 1946
NEWS	12	DEC 14	New PNK Field Allows More Precise Crossover among STN Patent Databases
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NEWS	14	DEC 21	CAS Learning Solutions -- a new online training experience
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NEWS	17	JAN 26	Improved Timeliness of CAS Indexing Adds Value to USPATFULL and USPAT2 Chemistry Patents
NEWS	18	JAN 26	Updated MeSH vocabulary, new structured abstracts, and other enhancements improve searching in STN reload of MEDLINE

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 CN 3L3
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 CN BHN 70
 CN BHY
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 CN BHY 13B-T
 CN BHY 13H-HA
 CN BHY 13HT
 CN BHY 13T
 CN BHY 22B

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
 DISPLAY

DR 133353-46-5, 133353-47-6, 65555-90-0, 72514-83-1, 195161-80-9

MF Cu

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CABA,
 CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSNB,
 DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
 ENCOMPPAT2, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS,
 NAPRALERT, PIRA, RTECS*, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Cu

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

651536 REFERENCES IN FILE CA (1907 TO DATE)
31408 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
656211 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e mesotrione/cn

E1	1	MESOTOL/CN
E2	1	MESOTRIN/CN
E3	1 -->	MESOTRIONE/CN
E4	1	MESOTRIONE-2,4-D BUTYL ESTER MIXT./CN
E5	1	MESOTRIONE-2,4-D DIMETHYLAMINE MIXT./CN
E6	1	MESOTRIONE-2,4-D ETHYL ESTER MIXT./CN
E7	1	MESOTRIONE-2,4-D ISOOCTYL ESTER MIXT./CN
E8	1	MESOTRIONE-2,4-D MIXT./CN
E9	1	MESOTRIONE-2,4-D SODIUM SALT MIXT./CN
E10	1	MESOTRIONE-ACETOCHLOR MIXT./CN
E11	1	MESOTRIONE-ATRAZINE MIXT./CN
E12	1	MESOTRIONE-BENSULFURON-METHYL MIXT./CN

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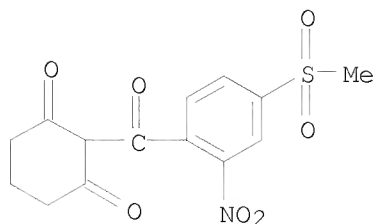
L3 1 MESOTRIONE/CN

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L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2011 ACS on STN
RN 104206-82-8 REGISTRY
ED Entered STN: 13 Sep 1986
CN 1,3-Cyclohexanedione, 2-[4-(methylsulfonyl)-2-nitrobenzoyl]- (CA INDEX NAME)

OTHER NAMES:

CN Callisto
CN **Mesotrione**
CN Tenacity
CN Tenacity (herbicide)
CN ZA 1296
DR 207996-81-4, 435270-61-4
MF C14 H13 N O7 S
CI COM
SR CA
LC STN Files: AGRICOLA, ANABSTR, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSNB, DDFU, DRUGU, MRCK*, PATDPASPC, PIRA, RTECS*, TOXCENTER, ULIDAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

479 REFERENCES IN FILE CA (1907 TO DATE)
 153 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 484 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	12.04	12.27

FILE 'REGISTRY' ENTERED AT 11:34:05 ON 26 JAN 2011
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 DICTIONARY FILE UPDATES: 25 JAN 2011 HIGHEST RN 1260485-87-7

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 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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=> s 104206-82-8D
L4      0 104206-82-8D
        (104206-82-8D/RN)
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=> s 104206-82-8
L5      1 104206-82-8
        (104206-82-8/RN)
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=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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FULL ESTIMATED COST	0.51	12.78

FILE 'CAPLUS' ENTERED AT 11:34:45 ON 26 JAN 2011
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FILE COVERS 1907 - 26 Jan 2011 VOL 154 ISS 5
FILE LAST UPDATED: 25 Jan 2011 (20110125/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

Caplus now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 104206-82-8D
L6 153 104206-82-8D

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.88	15.66

FILE 'REGISTRY' ENTERED AT 11:34:59 ON 26 JAN 2011
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DICTIONARY FILE UPDATES: 25 JAN 2011 HIGHEST RN 1260485-87-7

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<http://www.cas.org/support/stngen/stdoc/properties.html>

=> e chlorpyrifos/cn

E13	1	CHLORPYRAMINE/CN
E14	1	CHLORPYRAMINE HYDROCHLORIDE/CN
E15	1 -->	CHLORPYRIFOS/CN
E16	1	CHLORPYRIFOS E/CN
E17	1	CHLORPYRIFOS M/CN
E18	1	CHLORPYRIFOS MIXT. WITH BERBERINE/CN
E19	1	CHLORPYRIFOS OXON/CN
E20	1	CHLORPYRIFOS OXONASE/CN
E21	1	CHLORPYRIFOS, MIXT. WITH PYRETHRINS AND PIPERONYL BUTOXIDE/CN
E22	1	CHLORPYRIFOS-1,1,1-TRICHLOROETHANE MIXT./CN
E23	1	CHLORPYRIFOS-ABAMECTIN MIXT./CN
E24	1	CHLORPYRIFOS-ACEPHATE MIXT./CN

=> s e15

L7 1 CHLORPYRIFOS/CN

=> e chlorpyrifos-methyl/cn

E25	1	CHLORPYRIFOS-LAMBDA-CYHALOTHRIN MIXT./CN
E26	1	CHLORPYRIFOS-MALATHION MIXT./CN
E27	1 -->	CHLORPYRIFOS-METHYL/CN
E28	1	CHLORPYRIFOS-METHYL METHOPRENE MIXT./CN
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E30	1	CHLORPYRIFOS-METHYL-BIORESMETHRIN MIXT./CN
E31	1	CHLORPYRIFOS-METHYL-CYHALOTHRIN MIXT./CN
E32	1	CHLORPYRIFOS-METHYL-CYPERMETHRIN MIXT./CN
E33	1	CHLORPYRIFOS-METHYL-DELTAMETHRIN MIXT./CN
E34	1	CHLORPYRIFOS-MINERAL OIL MIXT./CN
E35	1	CHLORPYRIFOS-NITENPYRAM MIXT./CN
E36	1	CHLORPYRIFOS-PERMETHRIN MIXT./CN

=> s e27

L8 1 CHLORPYRIFOS-METHYL/CN

=> e terbufos/cn

E37	1	TERBUFIBROL/CN
E38	1	TERBUFICIN/CN
E39	1 -->	TERBUFOS/CN
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E42	1	TERBUFOS OXON SULFOXIDE/CN
E43	1	TERBUFOS SULFONE/CN
E44	1	TERBUFOS SULFOXIDE/CN
E45	1	TERBUFOS-IKI 220 MIXT./CN
E46	1	TERBUFOS-PIPERONYL BUTOXIDE MIXT./CN
E47	1	TERBUFOXON/CN
E48	1	TERBUFOXON SULFONE/CN

=> s e39

L9 1 TERBUFOS/CN

=> s tefluthrin/cn

L10 1 TEFLUTHRIN/CN

=> e tefluthrin/cn

E49	1	TEFLURANE/CN
E50	1	TEFLURON/CN
E51	1 -->	TEFLUTHRIN/CN
E52	1	TEFLUTHRIN CS/CN

E53	1	TEFLUTHRIN-ACEPHATE MIXT./CN
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E55	1	TEFLUTHRIN-BUTYLENE-FIPRONIL MIXT./CN
E56	1	TEFLUTHRIN-CHLORPYRIFOS MIXT./CN
E57	1	TEFLUTHRIN-CLOTHIANIDIN MIXT./CN
E58	1	TEFLUTHRIN-DIAZINON MIXT./CN
E59	1	TEFLUTHRIN-FIPRONIL MIXT./CN
E60	1	TEFLUTHRIN-IKI 220 MIXT./CN

=> e thiamethoxam/cn

E61	1	THIAMETHAXAM/CN
E62	1	THIAMETHON/CN
E63	1	--> THIAMETHOXAM/CN
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E66	1	THIAMETHOXAM-BETA-CYFLUTHRIN MIXT./CN
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E68	1	THIAMETHOXAM-CHLORFENAPYR MIXT./CN
E69	1	THIAMETHOXAM-CYHALOTHRIN MIXT./CN
E70	1	THIAMETHOXAM-DICHLORBENZURON MIXT./CN
E71	1	THIAMETHOXAM-DICHLORVOS MIXT./CN
E72	1	THIAMETHOXAM-DIFENOCONAZOLE-FLUDIOXONIL-METALAXYL-M MIXT./CN

=> s e63

L11	1	THIAMETHOXAM/CN
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=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	31.56	47.22

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FILE COVERS 1907 - 26 Jan 2011 VOL 154 ISS 5
 FILE LAST UPDATED: 25 Jan 2011 (20110125/ED)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2010
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 16 and (17 or 18 or 19 or 110 or 111)
 10634 L7
 1845 L8
 1231 L9
 629 L10
 1625 L11
 L12 19 L6 AND (L7 OR L8 OR L9 OR L10 OR L11)

=> d 112 ibib hit abs 1-19

L12 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN
 ACCESSION NUMBER: 2010:1605107 CAPLUS
 DOCUMENT NUMBER: 154:57527
 TITLE: Synergistic mixtures of azolylmethyloxiranes and fungicides
 INVENTOR(S): Dietz, Jochen; Haden, Egon; Renner, Jens; Ulmschneider, Sarah; Glaettli, Alice; Vrettou-Schultes, Marianna; Stolz, Silke
 PATENT ASSIGNEE(S): BASF SE, Germany
 SOURCE: PCT Int. Appl., 102pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010146032	A2	20101223	WO 2010-EP58342	20100615
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2009-162832 A 20090616
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 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic mixts. of azolylmethyloxiranes and fungicides)
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 41483-43-6D, mixts. containing 41814-78-2D, mixts. containing 42576-02-3D,

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43121-43-3D, mixts. containing	43222-48-6D, mixts. containing	49866-87-7D,
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containing		

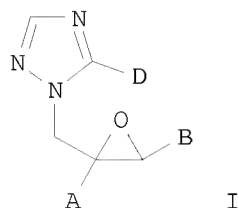
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 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic mixts. of azolylmethyloxiranes and fungicides)

GI



AB The invention relates to fungicidal mixts. which comprise (1) azolylmethyloxiranes of general formula I, wherein the variables are defined as in the application, (2) a fungicidal compound II, and (3) optionally another fungicidal compound II as the active components, the compds. II of components 2 and 3 being independently selected from among the compds. described in the application with the proviso that components 2 and components 3 are not the same. The invention also relates to the use of the fungicidal mixts. for the control of phytopathogenic fungi and to agents containing said mixts.

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ACCESSION NUMBER: 2010:1600616 CAPLUS

DOCUMENT NUMBER: 154:57521

TITLE: Synergistic fungicidal mixtures of azolylmethyloxiranes

INVENTOR(S): Dietz, Jochen; Haden, Egon; Renner, Jens; Ulmschneider, Sarah; Glaettli, Alice; Vrettou-Schultes, Marianna; Stolz, Silke

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 216pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010146006	A2	20101223	WO 2010-EP58257	20100611
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RW:	AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2009-163122 A 20090618

EP 2009-179324 A 20091215

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 containing 92-52-4D, 1,1'-Biphenyl, mixts. containing 93-65-2D, mixts.
 containing
 94-74-6D, mixts. containing 94-75-7D, mixts. containing 94-81-5D, mixts.
 containing 94-82-6D, mixts. containing 97-23-4D, mixts. containing
 99-30-9D,
 mixts. containing 101-05-3D, mixts. containing 108-48-5D, mixts. containing
 112-65-2D, mixts. containing 113-00-8D, Guanidine, mixts. containing
 114-26-1D, mixts. containing 116-06-3D, mixts. containing 117-18-0D, mixts.
 containing 118-74-1D, mixts. containing 120-36-5D, mixts. containing
 121-21-1D,
 mixts. containing 121-29-9D, mixts. containing 121-75-5D, mixts. containing
 122-14-5D, mixts. containing 122-34-9D, mixts. containing 122-39-4D, mixts.
 containing 123-33-1D, mixts. containing 124-58-3D, mixts. containing
 132-66-1D,
 mixts. containing 133-06-2D, mixts. containing 133-07-3D, mixts. containing
 137-26-8D, mixts. containing 137-30-4D, mixts. containing 141-66-2D, mixts.
 containing 142-71-2D, mixts. containing 144-54-7D, mixts. containing
 145-73-3D,
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 298-02-2D, mixts. containing 298-04-4D, mixts. containing 301-12-2D, mixts.
 containing 311-45-5D, mixts. containing 314-40-9D, mixts. containing
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 470-90-6D, mixts. containing 485-31-4D, mixts. containing 533-74-4D, mixts.
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 mixts.
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 containing 2593-15-9D, mixts. containing 2597-03-7D, mixts. containing
 2764-72-9D, mixts. containing 2797-51-5D, mixts. containing **2921-88-2D**
 , mixts. containing 3337-71-1D, mixts. containing 3347-22-6D, mixts.
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 mixts.

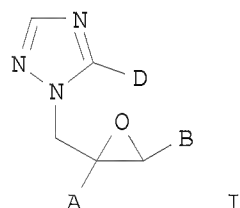
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 mixts.
 containing 7287-19-6D, mixts. containing 7696-12-0D, mixts. containing
 7704-34-9D, Sulfur, mixts. containing 7786-34-7D, mixts. containing
 8011-63-0D, Bordeaux mixture, mixts. containing 8018-01-7D, mixts. containing
 9006-42-2D, Metiram, mixts. containing 10004-44-1D, mixts. containing
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 Phosphonic acid, salts, mixts. containing, biological studies 13684-56-5D,
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 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal mixts. of azolylmethyloxiranes)
 IT 41198-08-7D, mixts. containing 41205-21-4D, mixts. containing 41394-05-2D,
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 mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal mixts. of azolymethyloxiranes)

GI



AB The invention relates to fungicidal mixts. which comprise (1)
 azolymethyloxiranes of general formula I, wherein the variables are
 defined as in the application, (2) a fungicidal compound II, and (3)
 optionally another fungicidal compound II as the active components, the
 compds. II of components 2 and 3 being independently selected from among
 the compds. described in the application. The invention also relates to
 the use of the fungicidal mixts. for the control of phytopathogenic fungi
 and to agents containing said mixts.

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ACCESSION NUMBER: 2010:1600610 CAPLUS

DOCUMENT NUMBER: 154:57520

TITLE: Synergistic fungicidal mixtures of sulfur-containing
 triazole compounds with other compounds.

INVENTOR(S): Dietz, Jochen; Grote, Thomas; Haden, Egon; Mueller, Bernd; Lohmann, Jan Klaas; Renner, Jens; Ulmschneider, Sarah; Glaettli, Alice; Vrettou-Schultes, Marianna; Grammenos, Wassilios

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 114pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

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RW:	AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2009-163125 A 20090618

IT 52-51-7D, mixts. containing 52-68-6D, mixts. containing 55-38-9D, mixts. containing 56-38-2D, mixts. containing 57-92-1D, mixts. containing 60-51-5D, mixts. containing 61-82-5D, 1H-1,2,4-Triazol-5-amine, mixts. containing 62-73-7D, mixts. containing 63-25-2D, mixts. containing 67-48-1D, mixts. containing 76-87-9D, mixts. containing 77-06-5D, mixts. containing 77-19-0D, mixts. containing 78-48-8D, mixts. containing 79-57-2D, mixts. containing 82-68-8D, mixts. containing 86-50-0D, mixts. containing 86-87-3D, 1-Naphthaleneacetic acid, mixts. containing 87-51-4D, 1H-Indole-3-acetic acid, mixts. containing 87-86-5D, salts, mixts. containing 88-82-4D, mixts. containing 92-52-4D, 1,1'-Biphenyl, mixts. containing 93-65-2D, mixts. containing 94-74-6D, mixts. containing 94-75-7D, mixts. containing 94-81-5D, mixts. containing 94-82-6D, mixts. containing 97-23-4D, mixts. containing 99-30-9D, mixts. containing 101-05-3D, mixts. containing 108-48-5D, mixts. containing 112-65-2D, mixts. containing 113-00-8D, Guanidine, mixts. containing 114-26-1D, mixts. containing 116-06-3D, mixts. containing 117-18-0D, mixts. containing 118-74-1D, mixts. containing 120-36-5D, mixts. containing 121-21-1D, mixts. containing 121-29-9D, mixts. containing 121-75-5D, mixts. containing 122-14-5D, mixts. containing 122-34-9D, mixts. containing 122-39-4D, mixts. containing 123-33-1D, mixts. containing 124-58-3D, mixts. containing 132-66-1D, mixts. containing 133-06-2D, mixts. containing 133-07-3D, mixts. containing 137-26-8D, mixts. containing 137-30-4D, mixts. containing 141-66-2D, mixts. containing 142-71-2D, mixts. containing 144-54-7D, mixts. containing 145-73-3D, mixts. containing 148-79-8D, mixts. containing 298-00-0D, mixts. containing 298-02-2D, mixts. containing 298-04-4D, mixts. containing 301-12-2D, mixts. containing 311-45-5D, mixts. containing 314-40-9D, mixts. containing 330-54-1D, mixts. containing 330-55-2D, mixts. containing 333-41-5D, mixts. containing

470-90-6D, mixts. containing 485-31-4D, mixts. containing 533-74-4D, mixts.
 containing 563-12-2D, mixts. containing 584-79-2D, mixts. containing
 639-58-7D,
 mixts. containing 709-98-8D, mixts. containing 731-27-1D, mixts. containing
 732-11-6D, mixts. containing 759-94-4D, mixts. containing 834-12-8D, mixts.
 containing 886-50-0D, mixts. containing 900-95-8D, mixts. containing
 950-37-8D,
 mixts. containing 973-21-7D, mixts. containing 999-81-5D, mixts. containing
 1071-83-6D, mixts. containing 1085-98-9D, mixts. containing 1194-65-6D,
 mixts.
 containing 1214-39-7D, mixts. containing 1332-40-7D, mixts. containing
 1344-69-0D, Copper hydroxide, mixts. containing 1344-73-6D, mixts. containing
 1563-66-2D, mixts. containing 1582-09-8D, mixts. containing 1593-77-7D,
 mixts.
 containing 1596-84-5D, mixts. containing 1689-83-4D, mixts. containing
 1689-84-5D, mixts. containing 1698-60-8D, mixts. containing 1702-17-6D,
 mixts.
 containing 1861-40-1D, mixts. containing 1897-45-6D, mixts. containing
 1910-42-5D, mixts. containing 1912-24-9D, mixts. containing 1918-00-9D,
 mixts.
 containing 1918-02-1D, mixts. containing 1918-16-7D, mixts. containing
 1929-82-4D, mixts. containing 2008-41-5D, mixts. containing 2032-65-7D,
 mixts.
 containing 2079-00-7D, mixts. containing 2136-79-0D, mixts. containing
 2164-08-1D, mixts. containing 2164-17-2D, mixts. containing 2212-67-1D,
 mixts.
 containing 2303-17-5D, mixts. containing 2310-17-0D, mixts. containing
 2425-06-1D, mixts. containing 2439-01-2D, mixts. containing 2439-10-3D,
 mixts.
 containing 2593-15-9D, mixts. containing 2597-03-7D, mixts. containing
 2764-72-9D, mixts. containing 2797-51-5D, mixts. containing **2921-88-2D**
 , mixts. containing 3337-71-1D, mixts. containing 3347-22-6D, mixts.
 containing
 3478-94-2D, mixts. containing 3813-05-6D, mixts. containing 3878-19-1D,
 mixts.
 containing 5234-68-4D, mixts. containing 5259-88-1D, mixts. containing
5598-13-0D, mixts. containing 5902-51-2D, mixts. containing
 5915-41-3D, mixts. containing 6923-22-4D, mixts. containing 6980-18-3D,
 mixts.
 containing 7287-19-6D, mixts. containing 7696-12-0D, mixts. containing
 7704-34-9D, Sulfur, mixts. containing 7786-34-7D, mixts. containing
 8011-63-0D, Bordeaux mixture, mixts. containing 8018-01-7D, mixts. containing
 9006-42-2D, Metiram, mixts. containing 10004-44-1D, mixts. containing
 10265-92-6D, mixts. containing 10453-86-8D, mixts. containing 10552-74-6D,
 mixts. containing 10605-21-7D, mixts. containing 11141-17-6D, mixts.
 containing
 12071-83-9D, mixts. containing 12122-67-7D, mixts. containing 12427-38-2D,
 mixts. containing 12771-68-5D, mixts. containing **13071-79-9D**, mixts.
 containing 13108-52-6D, mixts. containing 13171-21-6D, mixts. containing
 13457-18-6D, mixts. containing 13516-27-3D, mixts. containing 13598-36-2D,
 Phosphonic acid, salts, mixts. containing, biological studies 13684-56-5D,
 mixts. containing 13684-63-4D, mixts. containing 14484-64-1D, mixts.
 containing
 14698-29-4D, mixts. containing 14816-18-3D, mixts. containing 15263-53-3D,
 mixts. containing 15299-99-7D, mixts. containing 15302-91-7D, mixts.
 containing
 15310-01-7D, mixts. containing 15545-48-9D, mixts. containing 15845-66-6D,
 mixts. containing 15972-60-8D, mixts. containing 16118-49-3D, mixts.
 containing
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 mixts. containing 17804-35-2D, mixts. containing 17824-85-0D, mixts.
 containing

18691-97-9D, mixts. containing	18854-01-8D, mixts. containing	19044-88-3D, mixts.
21293-29-8D, mixts. containing	21452-14-2D, mixts. containing	21725-46-2D, mixts.
22248-79-9D, mixts. containing	22781-23-3D, mixts.	
22936-75-0D, mixts. containing	22976-87-0D, mixts. containing	23031-36-9D, mixts.
23103-98-2D, mixts. containing	23135-22-0D, mixts.	
23184-66-9D, mixts. containing	23564-05-8D, mixts. containing	23602-78-0D, mixts.
23950-58-5D, mixts. containing	24017-47-8D, mixts.	
24307-26-4D, mixts. containing	24579-73-5D, mixts. containing	24691-80-3D, mixts.
25057-89-0D, mixts. containing	25319-90-8D, mixts.	
25606-41-1D, mixts. containing	26087-47-8D, mixts. containing	26225-79-6D, mixts.
26530-20-1D, mixts. containing	26644-46-2D, mixts.	
27314-13-2D, mixts. containing	27355-22-2D, mixts. containing	27605-76-1D, mixts.
28249-77-6D, mixts. containing	29091-21-2D, mixts.	
29232-93-7D, mixts. containing	30560-19-1D, mixts. containing	31717-87-0D, mixts.
31895-21-3D, mixts. containing	32809-16-8D, mixts.	
33629-47-9D, mixts. containing	34014-18-1D, mixts. containing	34123-59-6D, mixts.
34256-82-1D, mixts. containing	34622-58-7D, mixts.	
34643-46-4D, mixts. containing	35367-38-5D, mixts. containing	35400-43-2D, mixts.
35554-44-0D, mixts. containing	35575-96-3D, mixts.	
35597-43-4D, mixts. containing	36335-67-8D, mixts. containing	36734-19-7D, mixts.
37248-47-8D, mixts. containing	39148-24-8D, mixts.	
39300-45-3D, mixts. containing	39515-40-7D, mixts. containing	39515-41-8D, mixts.
39807-15-3D, mixts. containing	40164-67-8D, mixts.	
40487-42-1D, mixts. containing	40843-25-2D, mixts. containing	
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)		
(synergistic fungicidal mixts. of sulfur-containing triazole compds. with other compds.)		
41198-08-7D, mixts. containing	41205-21-4D, mixts. containing	41394-05-2D, mixts.
41483-43-6D, mixts. containing	41814-78-2D, mixts.	
42576-02-3D, mixts. containing	42609-52-9D, mixts. containing	42874-03-3D, mixts.
43121-43-3D, mixts. containing	43222-48-6D, mixts.	
49866-87-7D, mixts. containing	50471-44-8D, mixts. containing	50512-35-1D, mixts.
50563-36-5D, mixts. containing	50594-66-6D, mixts.	
51218-45-2D, mixts. containing	51218-49-6D, mixts. containing	51235-04-2D, mixts.
51276-47-2D, mixts. containing	51630-58-1D, mixts.	
51707-55-2D, mixts. containing	52315-07-8D, mixts. containing	52508-35-7D, mixts.
52570-16-8D, mixts. containing	52645-53-1D, mixts.	
52888-80-9D, mixts. containing	52918-63-5D, mixts. containing	53112-28-0D, mixts.
53780-34-0D, mixts. containing	55179-31-2D, mixts.	
55219-65-3D, mixts. containing	55283-68-6D, mixts. containing	55285-14-8D, mixts.
55290-64-7D, mixts. containing	55512-33-9D, mixts.	
55814-41-0D, mixts. containing	56425-91-3D, mixts. containing	57018-04-9D, mixts.

mixts. containing	57369-32-1D,	mixts. containing	57520-17-9D, mixts.
containing			
57837-19-1D, mixts.	containing	57966-95-7D, mixts.	containing 58011-68-0D,
mixts. containing	58594-72-2D,	mixts. containing	58810-48-3D, mixts.
containing			
59669-26-0D, mixts.	containing	59756-60-4D, mixts.	containing 60168-88-9D,
mixts. containing	60207-31-0D,	mixts. containing	60207-90-1D, mixts.
containing			
61213-25-0D, mixts.	containing	61432-55-1D, mixts.	containing 62732-91-6D,
mixts. containing	62865-36-5D,	mixts. containing	62924-70-3D, mixts.
containing			
63284-71-9D, mixts.	containing	63837-33-2D, mixts.	containing 64249-01-0D,
mixts. containing	64529-56-2D,	mixts. containing	64628-44-0D, mixts.
containing			
64902-72-3D, mixts.	containing	65907-30-4D, mixts.	containing 66063-05-6D,
mixts. containing	66230-04-4D,	mixts. containing	66246-88-6D, mixts.
containing			
66332-96-5D, mixts.	containing	66841-25-6D, mixts.	containing 66952-49-6D,
mixts. containing	67129-08-2D,	mixts. containing	67306-00-7D, mixts.
containing			
67375-30-8D, mixts.	containing	67527-71-3D, mixts.	containing 67564-91-4D,
mixts. containing	67747-09-5D,	mixts. containing	68085-85-8D, mixts.
containing			
68157-60-8D, mixts.	containing	68359-37-5D, mixts.	containing 68694-11-1D,
mixts. containing	69335-91-7D,	mixts. containing	69377-81-7D, mixts.
containing			
69806-34-4D, mixts.	containing	70630-17-0D, mixts.	containing 71422-67-8D,
mixts. containing	71561-11-0D,	mixts. containing	71626-11-4D, mixts.
containing			
72178-02-0D, mixts.	containing	72459-58-6D, mixts.	containing 72490-01-8D,
mixts. containing	72962-43-7D,	mixts. containing	72963-72-5D, mixts.
containing			
73250-68-7D, mixts.	containing	74051-80-2D, mixts.	containing 74070-46-5D,
mixts. containing	74115-24-5D,	mixts. containing	74223-56-6D, mixts.
containing			
74223-64-6D, mixts.	containing	74712-19-9D, mixts.	containing 74738-17-3D,
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containing			
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mixts. containing	77501-63-4D,	mixts. containing	77732-09-3D, mixts.
containing			
78587-05-0D, mixts.	containing	79277-67-1D, mixts.	containing
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mixts. containing	81334-34-1D,	mixts. containing	81335-37-7D, mixts.
containing			
81335-77-5D, mixts.	containing	81412-43-3D, Tridemorph,	mixts. containing
81591-81-3D, mixts.	containing	81777-89-1D, mixts.	containing 82097-50-5D,
mixts. containing	82211-24-3D,	mixts. containing	82558-50-7D, mixts.
containing			
82560-54-1D, mixts.	containing	82657-04-3D, mixts.	containing 82692-44-2D,
mixts. containing	83121-18-0D,	mixts. containing	83130-01-2D, mixts.
containing			
83164-33-4D, mixts.	containing	83657-18-5D, mixts.	containing 83657-22-1D,
mixts. containing	83657-24-3D,	mixts. containing	84087-01-4D, mixts.
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mixts. containing	85785-20-2D,	mixts. containing	86479-06-3D, mixts.
containing			
86598-92-7D, mixts.	containing	87130-20-9D, mixts.	containing 87546-18-7D,
mixts. containing	87674-68-8D,	mixts. containing	87818-31-3D, mixts.
containing			

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 mixts. containing 109293-97-2D, mixts. containing 110235-47-7D, mixts.
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 122836-35-5D,
 mixts. containing 122931-48-0D, mixts. containing 123312-89-0D, mixts.
 containing

123342-93-8D, mixts. containing 123572-88-3D, mixts. containing
 124495-18-7D,
 mixts. containing 125116-23-6D, mixts. containing 125225-28-7D, mixts.
 containing
 125306-83-4D, mixts. containing 125401-92-5D, mixts. containing
 126801-58-9D,
 mixts. containing 126833-17-8D, mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal mixts. of sulfur-containing triazole compds. with
 other compds.)

AB The invention relates to fungicidal mixts. which comprise (1)
 sulfur-containing triazole compds. as described in the application, (2) a
 fungicidal compound, and (3) optionally another fungicidal compound as the
 active components. The invention also relates to the use of the
 fungicidal mixts. for the control of phytopathogenic fungi and to agents
 containing said mixts.

L12 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:1597847 CAPLUS

DOCUMENT NUMBER: 154:57517

TITLE: Synergistic fungicidal mixtures of
 azolylmethyloxiranes

INVENTOR(S): Dietz, Jochen; Haden, Egon; Renner, Jens;
 Ulmschneider, Sarah; Glaettli, Alice;
 Vrettou-Schultes, Marianna; Stolz, Silke

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 308pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010146031	A2	20101223	WO 2010-EP58341	20100615
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2009-162818 A 20090616

EP 2009-175202 A 20091106

IT 52-51-7D, mixts. containing 52-68-6D, mixts. containing 55-38-9D, mixts.
 containing 56-38-2D, mixts. containing 57-92-1D, mixts. containing

60-51-5D,

mixts. containing 61-82-5D, 1H-1,2,4-Triazol-5-amine, mixts. containing
 62-73-7D, mixts. containing 63-25-2D, mixts. containing 67-48-1D, mixts.
 containing 76-87-9D, mixts. containing 77-06-5D, mixts. containing

77-19-0D,

mixts. containing 78-48-8D, mixts. containing 79-57-2D, mixts. containing
 82-68-8D, mixts. containing 86-50-0D, mixts. containing 86-87-3D,
 1-Naphthaleneacetic acid, mixts. containing 87-51-4D, 1H-Indole-3-acetic
 acid, mixts. containing 87-86-5D, salts, mixts. containing 88-82-4D, mixts.
 containing 92-52-4D, 1,1'-Biphenyl, mixts. containing 93-65-2D, mixts.

containing

94-74-6D, mixts. containing 94-75-7D, mixts. containing 94-81-5D, mixts. containing 94-82-6D, mixts. containing 97-23-4D, mixts. containing
 99-30-9D, mixts. containing 101-05-3D, mixts. containing 108-48-5D, mixts. containing 112-65-2D, mixts. containing 113-00-8D, Guanidine, mixts. containing 114-26-1D, mixts. containing 116-06-3D, mixts. containing 117-18-0D, mixts. containing 118-74-1D, mixts. containing 120-36-5D, mixts. containing
 121-21-1D, mixts. containing 121-29-9D, mixts. containing 121-75-5D, mixts. containing 122-14-5D, mixts. containing 122-34-9D, mixts. containing 122-39-4D, mixts. containing 123-33-1D, mixts. containing 124-58-3D, mixts. containing
 132-66-1D, mixts. containing 133-06-2D, mixts. containing 133-07-3D, mixts. containing 137-26-8D, mixts. containing 137-30-4D, mixts. containing 141-66-2D, mixts. containing 142-71-2D, mixts. containing 144-54-7D, mixts. containing
 145-73-3D, mixts. containing 148-79-8D, mixts. containing 298-00-0D, mixts. containing 298-02-2D, mixts. containing 298-04-4D, mixts. containing 301-12-2D, mixts. containing 311-45-5D, mixts. containing 314-40-9D, mixts. containing
 330-54-1D, mixts. containing 330-55-2D, mixts. containing 333-41-5D, mixts. containing 470-90-6D, mixts. containing 485-31-4D, mixts. containing 533-74-4D, mixts. containing 563-12-2D, mixts. containing 584-79-2D, mixts. containing
 639-58-7D, mixts. containing 709-98-8D, mixts. containing 731-27-1D, mixts. containing 732-11-6D, mixts. containing 759-94-4D, mixts. containing 834-12-8D, mixts. containing 886-50-0D, mixts. containing 900-95-8D, mixts. containing
 950-37-8D, mixts. containing 973-21-7D, mixts. containing 999-81-5D, mixts. containing 1071-83-6D, mixts. containing 1085-98-9D, mixts. containing 1194-65-6D, mixts. containing 1214-39-7D, mixts. containing 1332-40-7D, mixts. containing 1344-69-0D, Copper hydroxide, mixts. containing 1344-73-6D, mixts. containing 1563-66-2D, mixts. containing 1582-09-8D, mixts. containing 1593-77-7D, mixts. containing 1596-84-5D, mixts. containing 1689-83-4D, mixts. containing 1689-84-5D, mixts. containing 1698-60-8D, mixts. containing 1702-17-6D, mixts. containing 1861-40-1D, mixts. containing 1897-45-6D, mixts. containing 1910-42-5D, mixts. containing 1912-24-9D, mixts. containing 1918-00-9D, mixts. containing 1918-02-1D, mixts. containing 1918-16-7D, mixts. containing 1929-82-4D, mixts. containing 2008-41-5D, mixts. containing 2032-65-7D, mixts. containing 2079-00-7D, mixts. containing 2136-79-0D, mixts. containing 2164-08-1D, mixts. containing 2164-17-2D, mixts. containing 2212-67-1D, mixts. containing 2303-17-5D, mixts. containing 2310-17-0D, mixts. containing 2425-06-1D, mixts. containing 2439-01-2D, mixts. containing 2439-10-3D, mixts. containing 2593-15-9D, mixts. containing 2597-03-7D, mixts. containing 2764-72-9D, mixts. containing 2797-51-5D, mixts. containing **2921-88-2D**, mixts. containing 3337-71-1D, mixts. containing 3347-22-6D, mixts. containing 3478-94-2D, mixts. containing 3813-05-6D, mixts. containing 3878-19-1D, mixts. containing 5234-68-4D, mixts. containing 5259-88-1D, mixts. containing **5598-13-0D**, mixts. containing 5902-51-2D, mixts. containing 5915-41-3D, mixts. containing 6923-22-4D, mixts. containing 6980-18-3D, mixts. containing 7287-19-6D, mixts. containing 7696-12-0D, mixts. containing 7704-34-9D, Sulfur, mixts. containing 7786-34-7D, mixts. containing

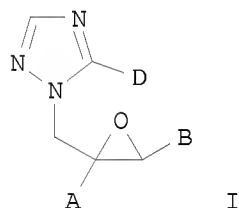
8011-63-0D, Bordeaux mixture, mixts. containing 8018-01-7D, mixts. containing
 9006-42-2D, Metiram, mixts. containing 10004-44-1D, mixts. containing
 10265-92-6D, mixts. containing 10453-86-8D, mixts. containing 10552-74-6D,
 mixts. containing 10605-21-7D, mixts. containing 11141-17-6D, mixts.
 containing
 12071-83-9D, mixts. containing 12122-67-7D, mixts. containing 12427-38-2D,
 mixts. containing 12771-68-5D, mixts. containing **13071-79-9D**, mixts.
 containing 13108-52-6D, mixts. containing 13171-21-6D, mixts. containing
 13457-18-6D, mixts. containing 13516-27-3D, mixts. containing 13598-36-2D,
 Phosphonic acid, salts, mixts. containing, biological studies 13684-56-5D,
 mixts. containing 13684-63-4D, mixts. containing 14484-64-1D, mixts.
 containing
 14698-29-4D, mixts. containing 14816-18-3D, mixts. containing 15263-53-3D,
 mixts. containing 15299-99-7D, mixts. containing 15302-91-7D, mixts.
 containing
 15310-01-7D, mixts. containing 15545-48-9D, mixts. containing 15845-66-6D,
 mixts. containing 15972-60-8D, mixts. containing 16118-49-3D, mixts.
 containing
 16672-87-0D, mixts. containing 16752-77-5D, mixts. containing 17109-49-8D,
 mixts. containing 17804-35-2D, mixts. containing 17824-85-0D, mixts.
 containing
 18691-97-9D, mixts. containing 18854-01-8D, mixts. containing 19044-88-3D,
 mixts. containing 19666-30-9D, mixts. containing 21087-64-9D, mixts.
 containing
 21293-29-8D, mixts. containing 21452-14-2D, mixts. containing 21725-46-2D,
 mixts. containing 22248-79-9D, mixts. containing 22781-23-3D, mixts.
 containing
 22936-75-0D, mixts. containing 22976-87-0D, mixts. containing 23031-36-9D,
 mixts. containing 23103-98-2D, mixts. containing 23135-22-0D, mixts.
 containing
 23184-66-9D, mixts. containing 23564-05-8D, mixts. containing 23602-78-0D,
 mixts. containing 23950-58-5D, mixts. containing 24017-47-8D, mixts.
 containing
 24307-26-4D, mixts. containing 24579-73-5D, mixts. containing 24691-80-3D,
 mixts. containing 25057-89-0D, mixts. containing 25319-90-8D, mixts.
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 25606-41-1D, mixts. containing 26087-47-8D, mixts. containing 26225-79-6D,
 mixts. containing 26530-20-1D, mixts. containing 26644-46-2D, mixts.
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 mixts. containing 28249-77-6D, mixts. containing 29091-21-2D, mixts.
 containing
 29232-93-7D, mixts. containing 30560-19-1D, mixts. containing 31717-87-0D,
 mixts. containing 31895-21-3D, mixts. containing 32809-16-8D, mixts.
 containing
 33629-47-9D, mixts. containing 34014-18-1D, mixts. containing 34123-59-6D,
 mixts. containing 34256-82-1D, mixts. containing 34622-58-7D, mixts.
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 mixts. containing 35554-44-0D, mixts. containing 35575-96-3D, mixts.
 containing
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 mixts. containing 37248-47-8D, mixts. containing 39148-24-8D, mixts.
 containing
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 mixts. containing 39807-15-3D, mixts. containing 40164-67-8D, mixts.
 containing
 40487-42-1D, mixts. containing 40843-25-2D, mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal mixts. of azolylmethyloxiranes)
 IT 41198-08-7D, mixts. containing 41205-21-4D, mixts. containing 41394-05-2D,
 mixts. containing 41483-43-6D, mixts. containing 41814-78-2D, mixts.
 containing

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49866-87-7D, mixts. containing	50563-36-5D, mixts. containing	50471-44-8D, mixts. containing	50594-66-6D, mixts. containing	50512-35-1D, mixts. containing
51218-45-2D, mixts. containing	51276-47-2D, mixts. containing	51218-49-6D, mixts. containing	51630-58-1D, mixts. containing	51235-04-2D, mixts. containing
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 126833-17-8D, mixts. containing 127277-53-6D, mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal mixts. of azolylmethyloxiranes)

GI



AB The invention relates to fungicidal mixts. which comprise (1)
 azolylmethyloxiranes of general formula I, wherein the variables are
 defined as in the application, (2) a fungicidal compound II, and (3)
 optionally another fungicidal compound II as the active components, the
 compds. II of components 2 and 3 being independently selected from among
 the compds. described in the application. The invention also relates to
 the use of the fungicidal mixts. for the control of phytopathogenic fungi
 and to agents containing said mixts.

L12 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:1597846 CAPLUS
 DOCUMENT NUMBER: 154:82343
 TITLE: Synergistic fungicidal mixts. of azolylmethyloxiranes.
 INVENTOR(S): Dietz, Jochen; Haden, Egon; Renner, Jens;
 Ulmschneider, Sarah; Glaettli, Alice;
 Vrettou-Schultes, Marianna; Stolz, Silke
 PATENT ASSIGNEE(S): BASF SE, Germany
 SOURCE: PCT Int. Appl., 98pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010146029	A2	20101223	WO 2010-EP58339	20100615
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			EP 2009-162823	A 20090616
IT 52-51-7D, mixts. containing	52-68-6D, mixts. containing	55-38-9D, mixts. containing	56-38-2D, mixts. containing	57-92-1D, mixts. containing
60-51-5D, mixts. containing	61-82-5D, 1H-1,2,4-Triazol-5-amine, mixts. containing	62-73-7D, mixts. containing	63-25-2D, mixts. containing	67-48-1D, mixts. containing
77-19-0D, mixts. containing	78-48-8D, mixts. containing	79-57-2D, mixts. containing	82-68-8D, mixts. containing	86-50-0D, mixts. containing
	86-87-3D, 1-Naphthaleneacetic acid, mixts. containing	87-51-4D, 1H-Indole-3-acetic acid, mixts. containing	87-86-5D, salts, mixts. containing	88-82-4D, mixts. containing
	92-52-4D, 1,1'-Biphenyl, mixts. containing	93-65-2D, mixts. containing	94-74-6D, mixts. containing	94-75-7D, mixts. containing
	94-81-5D, mixts. containing	94-82-6D, mixts. containing	97-23-4D, mixts. containing	99-30-9D, mixts. containing
	101-05-3D, mixts. containing	108-48-5D, mixts. containing	112-65-2D, mixts. containing	113-00-8D, Guanidine, mixts. containing
	114-26-1D, mixts. containing	116-06-3D, mixts. containing	117-18-0D, mixts. containing	118-74-1D, mixts. containing
	121-21-1D, mixts. containing	121-29-9D, mixts. containing	121-75-5D, mixts. containing	122-14-5D, mixts. containing
	122-34-9D, mixts. containing	122-39-4D, mixts. containing	123-33-1D, mixts. containing	124-58-3D, mixts. containing
	132-66-1D, mixts. containing	133-06-2D, mixts. containing	133-07-3D, mixts. containing	137-26-8D, mixts. containing
	137-30-4D, mixts. containing	141-66-2D, mixts. containing	142-71-2D, mixts. containing	144-54-7D, mixts. containing
	145-73-3D, mixts. containing	148-79-8D, mixts. containing	298-00-0D, mixts. containing	298-02-2D, mixts. containing
	298-04-4D, mixts. containing	301-12-2D, mixts. containing	311-45-5D, mixts. containing	314-40-9D, mixts. containing
	330-54-1D, mixts. containing	330-55-2D, mixts. containing	333-41-5D, mixts. containing	470-90-6D, mixts. containing
	485-31-4D, mixts. containing	533-74-4D, mixts. containing	563-12-2D, mixts. containing	584-79-2D, mixts. containing
	639-58-7D, mixts. containing	709-98-8D, mixts. containing	731-27-1D, mixts. containing	732-11-6D, mixts. containing
	759-94-4D, mixts. containing	834-12-8D, mixts. containing	886-50-0D, mixts. containing	900-95-8D, mixts. containing
	950-37-8D, mixts. containing	973-21-7D, mixts. containing	999-81-5D, mixts. containing	1071-83-6D, mixts. containing
	1085-98-9D, mixts. containing	1194-65-6D, mixts. containing		

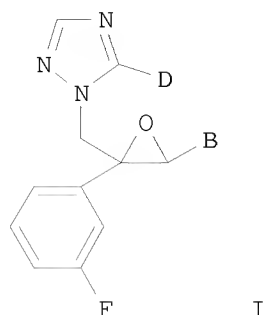
containing 1214-39-7D, mixts. containing 1332-40-7D, mixts. containing
 1344-69-0D, Copper hydroxide, mixts. containing 1344-73-6D, mixts. containing
 1563-66-2D, mixts. containing 1582-09-8D, mixts. containing 1593-77-7D,
 mixts.
 containing 1596-84-5D, mixts. containing 1689-83-4D, mixts. containing
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 1929-82-4D, mixts. containing 2008-41-5D, mixts. containing 2032-65-7D,
 mixts.
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 mixts.
 containing 2303-17-5D, mixts. containing 2310-17-0D, mixts. containing
 2425-06-1D, mixts. containing 2439-01-2D, mixts. containing 2439-10-3D,
 mixts.
 containing 2593-15-9D, mixts. containing 2597-03-7D, mixts. containing
 2764-72-9D, mixts. containing 2797-51-5D, mixts. containing **2921-88-2D**
 , mixts. containing 3337-71-1D, mixts. containing 3347-22-6D, mixts.
 containing
 3478-94-2D, mixts. containing 3813-05-6D, mixts. containing 3878-19-1D,
 mixts.
 containing 5234-68-4D, mixts. containing 5259-88-1D, mixts. containing
5598-13-0D, mixts. containing 5902-51-2D, mixts. containing
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 mixts.
 containing 7287-19-6D, mixts. containing 7696-12-0D, mixts. containing
 7704-34-9D, Sulfur, mixts. containing 7786-34-7D, mixts. containing
 8011-63-0D, Bordeaux mixture, mixts. containing 8018-01-7D, mixts. containing
 9006-42-2D, Metiram, mixts. containing 10004-44-1D, mixts. containing
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 Phosphonic acid, salts, mixts. containing, biological studies 13684-56-5D,
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 containing
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 mixts. containing 22248-79-9D, mixts. containing 22781-23-3D, mixts.
 containing
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 containing
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containing	24307-26-4D, mixts.	containing	24579-73-5D, mixts.	containing
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containing	25606-41-1D, mixts.	containing	25319-90-8D, mixts.	
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	27314-13-2D, mixts.	containing	27355-22-2D, mixts.	containing
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containing	28249-77-6D, mixts.	containing	29091-21-2D, mixts.	
	29232-93-7D, mixts.	containing	30560-19-1D, mixts.	containing
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containing	31895-21-3D, mixts.	containing	32809-16-8D, mixts.	
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containing	35554-44-0D, mixts.	containing	35575-96-3D, mixts.	
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containing	37248-47-8D, mixts.	containing	39148-24-8D, mixts.	
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	mixts. containing	39515-41-8D, mixts.	containing	39515-41-8D, mixts.
containing	39807-15-3D, mixts.	containing	40164-67-8D, mixts.	
	40487-42-1D, mixts.	containing	40843-25-2D, mixts.	containing
	RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)	containing	40843-25-2D, mixts.	containing
	(synergistic fungicidal mixts. of azolylmethyloxiranes)	containing	40843-25-2D, mixts.	containing
IT	41198-08-7D, mixts.	containing	41205-21-4D, mixts.	containing
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containing	41483-43-6D, mixts.	containing	41814-78-2D, mixts.	
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	mixts. containing	42874-03-3D, mixts.	containing	42874-03-3D, mixts.
containing	43121-43-3D, mixts.	containing	43222-48-6D, mixts.	
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 126833-17-8D,
 mixts. containing 127277-53-6D, mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal mixts. of azolylmethyloxiranes)

GI



AB The invention relates to fungicidal mixts. which comprise (1) azolylmethyloxiranes of general formula I, wherein the variables are defined as in the application, (2) a fungicidal compound II, and (3) optionally another fungicidal compound II as the active components, the compds. II of components 2 and 3 being independently selected from among the compds. described in the application. The invention also relates to the use of the fungicidal mixts. for the control of phytopathogenic fungi and to agents containing said mixts.

L12 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:1535104 CAPLUS

DOCUMENT NUMBER: 154:26231

TITLE: Fungicidal mixtures comprising heteraromatic sulfonamides

INVENTOR(S): Vrettou-Schultes, Marianna; Lohmann, Jan Klaas; Montag, Jurith; Grammenos, Wassilios; Mueller, Bernd

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 217pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010139653	A1	20101209	WO 2010-EP57514	20100531
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2009-161977 A 20090604

EP 2009-176707 A 20091123

OTHER SOURCE(S): MARPAT 154:26231

IT 51-03-6D, Piperonyl butoxide, mixts. containing 52-51-7D, Bronopol, mixts. containing 52-68-6D, Trichlorfon, mixts. containing 55-38-9D, Fenthion, mixts.

containing 56-38-2D, Parathion, mixts. containing 57-92-1D, Streptomycin, mixts. containing 60-51-5D, Dimethoate, mixts. containing 61-82-5D,

1H-1,2,4-Triazol-5-amine, mixts. containing 62-73-7D, Dichlorvos, mixts. containing 63-25-2D, Carbaryl, mixts. containing 67-48-1D, Choline chloride, mixts. containing 76-87-9D, Fentin hydroxide, mixts. containing 77-06-5D, Gibberellic acid, mixts. containing 77-19-0D, Dicyclomine, mixts. containing 78-48-8D, mixts. containing 79-57-2D, Oxytetracyclin, mixts. containing 82-68-8D, Quintozene, mixts. containing 86-50-0D, Azinphos-methyl, mixts. containing 86-87-3D, Naphthaleneacetic acid, mixts. containing 87-51-4D, Indole-3-acetic acid, mixts. containing 87-86-5D, Pentachlorophenol, salts, mixts. containing 88-82-4D, 2,3,5-Triiodobenzoic acid, mixts. containing 92-52-4D, Biphenyl, mixts. containing 93-65-2D, Mecoprop, mixts. containing 94-74-6D, MCPA, mixts. containing 94-75-7D, 2,4-Dichlorophenoxyacetic acid, mixts. containing 94-81-5D, MCPB, mixts. containing 94-82-6D, 2,4-DB, mixts. containing 97-23-4D, Dichlorophen, mixts. containing 101-05-3D, Anilazin, mixts. containing 112-65-2D, Dodine free base, mixts. containing 113-00-8D, Guanidine, mixts. containing 114-26-1D, Propoxur, mixts. containing 115-29-7D, Endosulfan, mixts. containing 116-06-3D, Aldicarb, mixts. containing 117-18-0D, Tecnazen, mixts. containing 118-74-1D, Hexachlorobenzene, mixts. containing 120-36-5D, Dichloroprop, mixts. containing 121-21-1D, Pyrethrin I, mixts. containing 121-29-9D, Pyrethrin II, mixts. containing 121-75-5D, Malathion, mixts. containing 122-14-5D, Fenitrothion, mixts. containing 122-34-9D, Simazine, mixts. containing 122-39-4D, Diphenylamine, mixts. containing 123-33-1D, Maleic hydrazide, mixts. containing 124-58-3D, Methylarsonic acid, mixts. containing 132-66-1D, Naptalam, mixts. containing 133-06-2D, Captan, mixts. containing 133-07-3D, Folpet, mixts. containing 137-26-8D, Thiram, mixts. containing 137-30-4D, Ziram, mixts. containing 141-66-2D, Dicrotophos, mixts. containing 142-71-2D, Copper acetate, mixts. containing 144-54-7D, Metam, mixts. containing 145-73-3D, Endothal, mixts. containing 148-79-8D, Thiabendazole, mixts. containing 298-00-0D, Methylparathion, mixts. containing 298-02-2D, Phorate, mixts. containing 298-04-4D, Disulfoton, mixts. containing 301-12-2D, Oxydemeton-methyl, mixts. containing 311-45-5D, Paraoxon, mixts. containing 314-40-9D, Bromacil, mixts. containing 330-54-1D, Diuron, mixts. containing 330-55-2D, Linuron, mixts. containing 333-41-5D, Diazinon, mixts. containing 470-90-6D, Chlorfenvinphos, mixts. containing 485-31-4D, Binapacryl, mixts. containing 533-74-4D, Dazomet, mixts. containing 563-12-2D, Ethion, mixts. containing 584-79-2D, Allethrin, mixts. containing 639-58-7D, Fentin chloride, mixts. containing 709-98-8D, Propanil, mixts. containing 731-27-1D, Tolyfluanid, mixts. containing 732-11-6D, Phosmet, mixts. containing 759-94-4D, Eptam, mixts. containing 834-12-8D, Ametryn, mixts. containing 886-50-0D, Terbutryn, mixts. containing 900-95-8D, Fentin acetate, mixts. containing 950-37-8D, Methidathion, mixts. containing 973-21-7D, Dinobuton, mixts. containing 1071-83-6D, Glyphosate, mixts. containing 1085-98-9D, Dichlofluanid, mixts. containing 1194-65-6D, Dichlobenil, mixts. containing 1214-39-7D, 6-Benzylaminopurine, mixts. containing 1332-40-7D, Copper oxychloride, mixts. containing 1344-69-0D, Copper hydroxide, mixts. containing 1344-73-6D, Basic copper sulfate, mixts. containing 1563-66-2D, Carbofuran, mixts. containing 1582-09-8D, Trifluralin, mixts. containing 1593-77-7D, Dodemorph, mixts. containing 1596-84-5D, Daminozide, mixts. containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D, Bromoxynil, mixts. containing 1698-60-8D, Chloridazon, mixts. containing 1702-17-6D, Clopyralid, mixts. containing 1861-40-1D, Benfluralin, mixts. containing 1897-45-6D, Chlorothalonil, mixts. containing 1910-42-5D, Paraquat, mixts. containing 1912-24-9D, Atrazine, mixts. containing 1918-00-9D, Dicamba, mixts. containing

1918-02-1D, Picloram, mixts. containing 1918-16-7D, Propachlor, mixts. containing 1929-82-4D, Nitrapyrin, mixts. containing 2008-41-5D, Butylate, mixts. containing 2032-65-7D, Methiocarb, mixts. containing 2079-00-7D, Blasticidin-S, mixts. containing 2136-79-0D, Chlorthal, mixts. containing 2164-08-1D, Lenacil, mixts. containing 2164-17-2D, Fluometuron, mixts. containing 2212-67-1D, Molinate, mixts. containing 2303-17-5D, Triallate, mixts. containing 2310-17-0D, Phosalone, mixts. containing 2312-35-8D, Propargite, mixts. containing 2425-06-1D, Captafol, mixts. containing 2439-01-2D, Chinomethionat, mixts. containing 2439-10-3D, Dodine, mixts. containing 2593-15-9D, Etridiazole, mixts. containing 2597-03-7D,

Phenthoate, mixts. containing 2764-72-9D, Diquat, mixts. containing 2797-51-5D, Quinoclamine, mixts. containing **2921-88-2D**, Chlorpyrifos, mixts. containing 3337-71-1D, Asulam, mixts. containing 3347-22-6D, Dithianon, mixts.

containing 3478-94-2D, Piperalin, mixts. containing 3813-05-6D, Benazolin, mixts. containing 3878-19-1D, Fuberidazole, mixts. containing 5234-68-4D, Carboxin, mixts. containing 5259-88-1D, Oxycarboxin, mixts. containing **5598-13-0D**, Chlorpyrifos-methyl, mixts. containing 5902-51-2D, Terbacil, mixts. containing 5915-41-3D, Terbutylazine, mixts. containing 6923-22-4D, Monocrotophos, mixts. containing 6980-18-3D, Kasugamycin, mixts. containing 7287-19-6D, Prometryn, mixts. containing 7696-12-0D,

Tetramethrin, mixts. containing 7704-34-9D, Sulfur, mixts. containing 7786-34-7D,

Mevinphos, mixts. containing 8011-63-0D, Bordeaux mixture, mixts. containing 8018-01-7D,

Mancozeb, mixts. containing 9006-42-2D, Metiram, mixts. containing 10004-44-1D, Hymexazole, mixts. containing 10265-92-6D, Methamidophos, mixts. containing 10453-86-8D, Resmethrin, mixts. containing 10552-74-6D, Nitrothal-isopropyl, mixts. containing 10605-21-7D, Carbendazim, mixts. containing 11141-17-6D, Azadirachtin, mixts. containing 12071-83-9D,

Propineb, mixts. containing 12122-67-7D, Zineb, mixts. containing 12427-38-2D, Maneb, mixts. containing 12771-68-5D, Ancyamidol, mixts. containing **13071-79-9D**, Terbufos, mixts. containing 13108-52-6D, 2,3,5,6-Tetrachloro-4-methanesulfonylpyridine, mixts. containing 13121-70-5D, Cyhexatin, mixts. containing 13171-21-6D, Phosphamidon, mixts. containing 13356-08-6D, Fenbutatin oxide, mixts. containing 13457-18-6D, Pyrazophos, mixts. containing 13516-27-3D, Iminoctadine, mixts. containing 13598-36-2D, Phosphorous acid, salts, mixts. containing, biological studies 13684-56-5D, Desmedipham, mixts. containing 13684-63-4D, Phenmedipham, mixts. containing 14484-64-1D, Ferbam, mixts. containing 14698-29-4D,

Oxolinic acid, mixts. containing 14816-18-3D, Phoxim, mixts. containing 15263-53-3D, Cartap, mixts. containing 15299-99-7D, Napropamide, mixts. containing 15302-91-7D, Mepiquat, mixts. containing 15310-01-7D, Benodanil, mixts. containing 15545-48-9D, Chlorotoluron, mixts. containing 15845-66-6D,

Fosetyl, mixts. containing 15972-60-8D, Alachlor, mixts. containing 16118-49-3D, Carbetamide, mixts. containing 16672-87-0D, Ethephon, mixts. containing 16752-77-5D, Methomyl, mixts. containing 17109-49-8D, Edifenphos, mixts. containing 17804-35-2D, Benomyl, mixts. containing 17824-85-0D, 3,4,5-Trichloropyridine-2,6-dicarbonitrile, mixts. containing 18691-97-9D, Methabenzthiazuron, mixts. containing 18854-01-8D, Isoxathion, mixts.

containing 19044-88-3D, Oryzalin, mixts. containing 19666-30-9D, Oxadiazon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing 21293-29-8D, Absciscic acid, mixts. containing 21452-14-2D, 2-Amino-4-methylthiazole-5-carboxanilide, mixts. containing 21725-46-2D, Cyanazine, mixts. containing 22248-79-9D, Tetrachlorvinphos, mixts.

containing

22781-23-3D, Bendiocarb, mixts. containing 22936-75-0D, Dimethametryn, mixts. containing 22976-87-0D, Polyoxine, mixts. containing 23031-36-9D, Prallethrin, mixts. containing 23103-98-2D, Pirimicarb, mixts. containing 23135-22-0D, Oxamyl, mixts. containing 23184-66-9D, Butachlor, mixts.

containing

23564-05-8D, Thiophanate-methyl, mixts. containing 23602-78-0D, Benfluramate, mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24017-47-8D, Triazophos, mixts. containing 24307-26-4D, Mepiquat chloride, mixts. containing 24579-73-5D, Propamocarb, mixts. containing 24691-80-3D, Fenfuram, mixts. containing 25057-89-0D, Bentazone, mixts. containing 25319-90-8D, MCPA-thioethyl, mixts. containing 25606-41-1D, Propamocarb hydrochloride, mixts. containing 26087-47-8D, Iprobenfos, mixts. containing 26225-79-6D, Ethofumesate, mixts. containing 26530-20-1D, Octhilinone, mixts. containing 26644-46-2D, Triforine, mixts. containing 27314-13-2D, Norflurazon, mixts. containing 27355-22-2D, Phthalide, mixts. containing 27605-76-1D, Probenazole, mixts. containing 28249-77-6D, Thiobencarb, mixts. containing 29091-21-2D, Prodiamine, mixts. containing 29232-93-7D, Pirimiphos-methyl, mixts. containing 30560-19-1D, Acephate, mixts. containing 31717-87-0D, Dodemorph-acetate, mixts. containing 31895-21-3D, Thiocyclam, mixts. containing 32809-16-8D, Procymidone, mixts. containing 33629-47-9D, Butralin, mixts. containing 34014-18-1D, Tebuthiuron, mixts. containing 34123-59-6D, Isoproturon, mixts. containing 34256-82-1D, Acetochlor, mixts. containing 34622-58-7D, Orbencarb, mixts. containing 34643-46-4D,

Prothiofos,

mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing

35400-43-2D,

Sulprophos, mixts. containing 35554-44-0D, Imazalil, mixts. containing 35575-96-3D, Azamethiphos, mixts. containing 35597-43-4D, Bilanafos, mixts. containing 36335-67-8D, Butamifos, mixts. containing 36734-19-7D,

Iprodione,

mixts. containing 37248-47-8D, Validamycin A, mixts. containing

37306-12-0D,

Cryomycin, mixts. containing 39148-24-8D, Fosetyl aluminum, mixts. containing 39300-45-3D, Dinocap, mixts. containing 39515-40-7D, Cyphenothrin, mixts. containing 39515-41-8D, Fenpropathrin, mixts. containing 39807-15-3D, Oxadiargyl, mixts. containing

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(fungicidal mixts. comprising heteroarom. sulfonamides)

IT

40164-67-8D, Amidochlor, mixts. containing 40487-42-1D, Pendimethalin, mixts. containing 40596-69-8D, Methoprene, mixts. containing 40843-25-2D, Diclofop, mixts. containing 41198-08-7D, Profenofos, mixts. containing 41205-21-4D, Fluoroimide, mixts. containing 41394-05-2D, Metamitron, mixts. containing 41483-43-6D, Bupirimate, mixts. containing 41814-78-2D, Tricyclazole, mixts. containing 42576-02-3D, Bifenox, mixts. containing 42609-52-9D, Daimuron, mixts. containing 42874-03-3D, Oxyfluorfen, mixts. containing 43121-43-3D, Triadimefon, mixts. containing 43222-48-6D, Difenzoquat-methyl sulfate, mixts. containing 49866-87-7D, Difenzoquat, mixts. containing 50471-44-8D, Vinclozolin, mixts. containing 50512-35-1D, Isoprothiolane, mixts. containing 50563-36-5D, Dimethachlor, mixts.

containing

50594-66-6D, Acifluorfen, mixts. containing 51218-45-2D, Metolachlor, mixts. containing 51218-49-6D, Pretilachlor, mixts. containing 51235-04-2D, Hexazinone, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 51596-10-2D, Milbemectin, mixts. containing 51630-58-1D, Fenvalerate, mixts. containing 51707-55-2D, Thidiazuron, mixts. containing 52315-07-8D, Cypermethrin, mixts. containing 52508-35-7D, mixts. containing 52570-16-8D, Naproanilide, mixts. containing 52645-53-1D, Permethrin, mixts. containing 52888-80-9D, Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 53112-28-0D, Pyrimethanil, mixts. containing 53780-34-0D, Mefluidide, mixts. containing 55179-31-2D, Bitertanol, mixts. containing 55219-65-3D, Triadimenol, mixts. containing 55283-68-6D, Ethalfluralin, mixts. containing 55285-14-8D, Carbosulfan, mixts. containing 55290-64-7D,

Dimethipin, mixts. containing 55512-33-9D, Pyridate, mixts. containing 55814-41-0D, Mepronil, mixts. containing 56425-91-3D, Flurprimidol, mixts. containing 57018-04-9D, Tolclofos-methyl, mixts. containing 57369-32-1D, Pyroquilon, mixts. containing 57520-17-9D, Iminoctadine-triacetate, mixts. containing 57837-19-1D, Metalaxyl, mixts. containing 57960-19-7D,

Acequinocyl, mixts. containing 57966-95-7D, Cymoxanil, mixts. containing 58011-68-0D, Pyrazolynate, mixts. containing 58810-48-3D, Ofurace, mixts. containing 59669-26-0D, Thiodicarb, mixts. containing 59756-60-4D, Fluridone, mixts. containing 60168-88-9D, Fenarimol, mixts. containing 60207-31-0D,

Azaconazole, mixts. containing 60207-90-1D, Propiconazole, mixts. containing 61213-25-0D, mixts. containing 61432-55-1D, Dimepiperate, mixts. containing 62732-91-6D, Debacarb, mixts. containing 62865-36-5D, Diclomezine, mixts. containing 62924-70-3D, Flumetralin, mixts. containing 63284-71-9D, Nuarimol, mixts. containing 63837-33-2D, Diofenolan, mixts. containing 64249-01-0D,

Anilofos, mixts. containing 64529-56-2D, Ethiozin, mixts. containing 64628-44-0D, Triflumuron, mixts. containing 64902-72-3D, Chlorsulfuron, mixts. containing 65907-30-4D, Furathiocarb, mixts. containing 66063-05-6D, Pencycuron, mixts. containing 66230-04-4D, Esfenvalerate, mixts. containing 66246-88-6D, Penconazole, mixts. containing 66332-96-5D, Flutolanil, mixts. containing 66841-25-6D, Tralomethrin, mixts. containing 66952-49-6D, Methasulfocarb, mixts. containing 67129-08-2D, Metazachlor, mixts. containing 67306-00-7D, Fenpropidin, mixts. containing 67375-30-8D, Alpha-cypermethrin, mixts. containing 67485-29-4D, Hydramethylnon, mixts. containing 67527-71-3D, Mildiomycin, mixts. containing 67564-91-4D, Fenpropimorph, mixts. containing 67747-09-5D, Prochloraz, mixts. containing 68085-85-8D, Cyhalothrin, mixts. containing 68157-60-8D, Forchlorfenuron, mixts. containing 68359-37-5D, Cyfluthrin, mixts. containing 68694-11-1D, Triflumizol, mixts. containing 69327-76-0D, Buprofezin, mixts. containing 69335-91-7D, Fluazifop, mixts. containing 69377-81-7D, Fluroxypyr, mixts. containing 69806-34-4D,

Haloxypop, mixts. containing 70630-17-0D, Metalaxyl-M, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71561-11-0D, Pyrazoxyfen, mixts. containing 71626-11-4D, Benalaxyl, mixts. containing 71751-41-2D, Abamectin, mixts. containing 72178-02-0D, Fomesafen, mixts. containing 72459-58-6D,

Triazoxide, mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing 72962-43-7D, Brassinolide, mixts. containing 72963-72-5D, Imiprothrin, mixts. containing 73250-68-7D, Mefenacet, mixts. containing 74051-80-2D, Sethoxydim, mixts. containing 74070-46-5D, Aclonifen, mixts. containing 74115-24-5D, Clofentezine, mixts. containing 74223-56-6D, Sulfometuron, mixts. containing 74223-64-6D, Metsulfuron-methyl, mixts. containing 74712-19-9D, Bromobutide, mixts. containing 74738-17-3D, Fenpiclonil, mixts. containing 76280-91-6D, Tecloftalam, mixts. containing 76578-12-6D, Quizalofop, mixts. containing 76608-88-3D, Triapenthenol, mixts. containing 76674-21-0D, Flutriafol, mixts. containing 76738-62-0D, mixts. containing 77501-63-4D, Lactofen,

mixts. containing 77732-09-3D, Oxadixyl, mixts. containing 78587-05-0D,

Hexythiazox, mixts. containing 79277-67-1D, Thifensulfuron, mixts. containing 79538-32-2D, Tefluthrin, mixts. containing 79540-50-4D, Etobenzanid, mixts. containing 79622-59-6D, Fluazinam, mixts. containing 79983-71-4D, Hexaconazole, mixts. containing 80060-09-9D, Diafenthiuron, mixts. containing 80844-07-1D, Etofenprox, mixts. containing 81334-34-1D, Imazapyr, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81335-77-5D,

Imazethapyr, mixts. containing 81412-43-3D, Tridemorph, mixts. containing 81591-81-3D, Sulfosate, mixts. containing 81777-89-1D, Clomazone, mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82211-24-3D, Inabenfide, mixts.

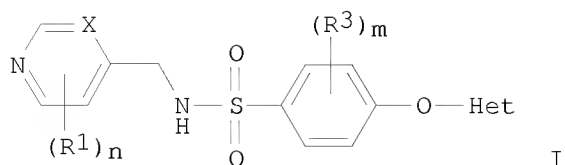
containing 82558-50-7D, Isoxaben, mixts. containing 82560-54-1D,
 Benfuracarb,
 mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 82692-44-2D,
 Benzofenap, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing
 83130-01-2D, Alanycarb, mixts. containing 83164-33-4D, Diflufenican, mixts.
 containing 83657-18-5D, Diniconazole-M, mixts. containing 83657-22-1D,
 Uniconazole, mixts. containing 83657-24-3D, Diniconazole, mixts. containing
 84087-01-4D, Quinclorac, mixts. containing 84466-05-7D, Amidoflumet, mixts.
 containing 84496-56-0D, Clomeprop, mixts. containing 85509-19-9D,
 Flusilazole,
 mixts. containing 85785-20-2D, Esprocarb, mixts. containing 86479-06-3D,
 Hexaflumuron, mixts. containing 86598-92-7D, Imibenconazole, mixts.
 containing
 87130-20-9D, Diethofencarb, mixts. containing 87546-18-7D,
 Flumiclorac-pentyl, mixts. containing 87674-68-8D, Dimethenamid, mixts.
 containing 87818-31-3D, Cinmethylin, mixts. containing 87820-88-0D,
 Tralkoxydim, mixts. containing 88283-41-4D, Pyrifenox, mixts. containing
 88671-89-0D, Myclobutanil, mixts. containing 88678-67-5D, Pyributicarb,
 mixts. containing 88805-35-0D, Prohexadione, mixts. containing 89269-64-7D,
 Ferimzone, mixts. containing 89583-90-4D, Benclothiaz, mixts. containing
 90717-03-6D, Quinmerac, mixts. containing 90982-32-4D, Chlorimuron-ethyl,
 mixts. containing 91315-15-0D, Aldimorph, mixts. containing 94125-34-5D,
 Prosulfuron, mixts. containing 94361-06-5D, Cyproconazole, mixts. containing
 94593-91-6D, Cinosulfuron, mixts. containing 95266-40-3D, Trinexapac-ethyl,
 mixts. containing 95617-09-7D, Fenoxaprop, mixts. containing 95737-68-1D,
 Pyriproxyfen, mixts. containing 96489-71-3D, Pyridaben, mixts. containing
 96491-05-3D, Thenylchlor, mixts. containing 96525-23-4D, Flurtamone, mixts.
 containing 97886-45-8D, Dithiopyr, mixts. containing 98243-83-5D,
 Benalaxyl-M,
 mixts. containing 98389-04-9D, Pyrazosulfuron, mixts. containing
 98967-40-9D,
 Flumetsulam, mixts. containing 99105-77-8D, Sulcotrione, mixts. containing
 99129-21-2D, Clethodim, mixts. containing 99283-01-9D, Bensulfuron, mixts.
 containing 99485-76-4D, Cumyluron, mixts. containing 100728-84-5D,
 Imazamethabenz, mixts. containing 101205-02-1D, Cycloxydim, mixts. containing
 101463-69-8D, Flufenoxuron, mixts. containing 101903-30-4D, Pefurazoate,
 mixts. containing 102851-06-9D, Tau-fluvalinate, mixts. containing
 103055-07-8D, Lufenuron, mixts. containing 103361-09-7D, Flumioxazin, mixts.
 containing 104030-54-8D, Carpropamid, mixts. containing 104040-78-0D,
 Flazasulfuron, mixts. containing 104098-48-8D, Imazapic, mixts. containing
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 Silafluofen, mixts. containing 106040-48-6D, Tribenuron, mixts. containing
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 mixts. containing 107534-96-3D, Tebuconazole, mixts. containing
 108173-90-6D,
 Guazatine, mixts. containing 109293-97-2D, Diflufenzopyr, mixts. containing
 110235-47-7D, Mepanipyrim, mixts. containing 110488-70-5D, Dimethomorph,
 mixts. containing 110956-75-7D, Pentoxazone, mixts. containing
 111479-05-1D,
 Propaquizafop, mixts. containing 111988-49-9D, Thiacloprid, mixts. containing
 111991-09-4D, Nicosulfuron, mixts. containing 112143-82-5D, Triazamate,
 mixts. containing 112226-61-6D, Halofenozide, mixts. containing
 112281-77-3D,
 Tetraconazole, mixts. containing 112410-23-8D, Tebufenozide, mixts.
 containing
 112860-04-5D, mixts. containing 113036-87-6D, Primisulfuron, mixts.
 containing
 113036-88-7D, Flucycloxuron, mixts. containing 113136-77-9D, Cyclanilide,
 mixts. containing 113614-08-7D, Beflubutamid, mixts. containing
 114311-32-9D,
 Imazamox, mixts. containing 114369-43-6D, Fenbuconazole, mixts. containing
 114420-56-3D, Clodinafop, mixts. containing 115044-19-4D, Guazatine-acetate,

mixts. containing 115852-48-7D, Fenoxanil, mixts. containing 116255-48-2D, Bromuconazole, mixts. containing 116714-46-6D, Novaluron, mixts. containing 117428-22-5D, Picoxystrobin, mixts. containing 117718-60-2D, Thiazopyr, mixts. containing 118134-30-8D, Spiroxamine, mixts. containing 118712-89-3D, Transfluthrin, mixts. containing 119126-15-7D, Flupoxam, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing 119446-68-3D, Difenoconazole, mixts. containing 119791-41-2D, Emamectin, mixts. containing 119899-14-8D, 2-Chloro-N-(1,1,3-trimethylindan-4-yl)nicotinamide, mixts. containing 120068-37-3D, Fipronil, mixts. containing 120116-88-3D, Cyazofamid, mixts. containing 120162-55-2D, Azimsulfuron, mixts. containing 120923-37-7D, Amidosulfuron, mixts. containing 120928-09-8D, Fenazaquin, mixts. containing 121552-61-2D, Cyprodinil, mixts. containing 122008-85-9D, Cyhalofop-butyl, mixts. containing 122431-24-7D, Flupyrazofos, mixts. containing 122453-73-0D, Chlorfenapyr, mixts. containing 122548-33-8D, Imazosulfuron, mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (fungicidal mixts. comprising heteroarom. sulfonamides)
 IT 122836-35-5D, Sulfentrazone, mixts. containing 122931-48-0D, Rimsulfuron, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing 123342-93-8D, Pyriithiobac, mixts. containing 123572-88-3D, Furametpyr, mixts. containing 124495-18-7D, Quinoxifen, mixts. containing 125116-23-6D, Metconazole, mixts. containing 125225-28-7D, Ipconazole, mixts. containing 125306-83-4D, Cafenstrole, mixts. containing 125401-92-5D, Bispyribac-sodium, mixts. containing 126801-58-9D, Ethoxysulfuron, mixts. containing 126833-17-8D, Fenhexamid, mixts. containing 127277-53-6D, Prohexadione-calcium, mixts. containing 128621-72-7D, Carfentrazone, mixts. containing 129558-76-5D, Tolfenpyrad, mixts. containing 129630-19-9D, Pyraflufen-ethyl, mixts. containing 129909-90-6D, Amicarbazone, mixts. containing 130000-40-7D, Thifluzamide, mixts. containing 130339-07-0D, Diflumetorim, mixts. containing 131341-86-1D, Fludioxonil, mixts. containing 131475-57-5D, Triaziflam, mixts. containing 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin, mixts. containing 131983-72-7D, Triticonazole, mixts. containing 133220-30-1D, Indanofan, mixts. containing 133408-50-1D, Metominostrobin, mixts. containing 133855-98-8D, Epoxiconazole, mixts. containing 134074-64-9D, Oxpoconazole, mixts. containing 134605-64-4D, Butafenacil, mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing 135186-78-6D, Pyrifthalid, mixts. containing 135397-30-7D, Halosulfuron, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 135990-29-3D, Triflusulfuron, mixts. containing 136426-54-5D, Fluquinconazole, mixts. containing 136516-19-3D, mixts. containing 136849-15-5D, Cyclosulfamuron, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138164-12-2D, Butoxydim, mixts. containing 138261-41-3D, Imidacloprid, mixts. containing 139001-49-3D, Profoxydim, mixts. containing 139528-85-1D, Metosulam, mixts. containing 139968-49-3D, Metaflumizone, mixts. containing 140163-89-9D, Imicyafos, mixts. containing 140923-17-7D, Iprovalicarb, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing 141517-21-7D, Trifloxystrobin, mixts. containing 141776-32-1D, Sulfosulfuron, mixts. containing 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 142891-20-1D, Cinidon-ethyl, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts. containing 144651-06-9D, Oxasulfuron, mixts. containing 145026-81-9D, Propoxycarbazone, mixts. containing 145026-88-6D, Flucarbazone, mixts. containing 145099-21-4D, Trifloxysulfuron, mixts. containing 145701-21-9D, Diclosulam, mixts. containing

145701-23-1D, Florasulam, mixts. containing 145767-97-1D, Vaniliprole, mixts. containing 147150-35-4D, Cloransulam-methyl, mixts. containing 147411-69-6D, Pyriminobac-methyl, mixts. containing 148477-71-8D, Spirodiclofen, mixts. containing 149253-65-6D, Fluthiacet, mixts. containing 149508-90-7D, Simeconazole, mixts. containing 149601-03-6D, mixts. containing 149877-41-8D, Bifenazate, mixts. containing 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxymid, mixts. containing
 150114-71-9D, Aminopyralid, mixts. containing 150315-10-9D, Flupyr-sulfuron, mixts. containing
 150824-47-8D, Nitenpyram, mixts. containing 153197-14-9D, Oxaziclonefone, mixts. containing 153233-91-1D, Etoxazole, mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing 154025-04-4D, Flumetover, mixts. containing 156052-68-5D, Zoxamide, mixts. containing 156963-66-5D, Benzobicyclon, mixts. containing 158062-67-0D, Flonicamid, mixts. containing 158237-07-1D, Fentrazamide, mixts. containing
 158353-15-2D, Pyraclo-nil, mixts. containing 161050-58-4D, Methoxyfenozide, mixts. containing
 161326-34-7D, Fenamidone, mixts. containing 162650-77-3D, Ethaboxam, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing 168088-61-7D, Pyribenzoxim, mixts. containing 168316-95-8D, Spinosad, mixts. containing 169202-06-6D, Iminoctadine-tris(albesilate), mixts. containing 170015-32-4D, Flufen-erim, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 173584-44-6D, Indoxacarb, mixts. containing 173980-17-1D, Bencarbazone, mixts. containing 175013-18-0D, Pyraclostrobin, mixts. containing 175217-20-6D, Silthiofam, mixts. containing 178602-66-9D, Prohydrojasmon, mixts. containing 178928-70-6D, Prothioconazole, mixts. containing 179101-81-6D, Pyridalyl, mixts. containing 180409-60-3D, Cyflufenamid, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 183675-82-3D, Penthiopyrad, mixts. containing 185119-76-0D, Iodosulfuron, mixts. containing 188425-85-6D, Boscalid, mixts. containing 188489-07-8D, Flufenpyr-ethyl, mixts. containing 188634-90-4D, Ethoxyfen, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 189873-26-5D, mixts. containing
 200132-83-8D, Kasugamycin hydrochloride-hydrate, mixts. containing 200509-41-7D, Quizalofop-P-tefuryl, mixts. containing 201593-84-2D, Bistrifluron, mixts. containing 203313-25-1D, Spirotetramat, mixts. containing 210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 211867-47-9D, Flumorph, mixts. containing 213464-77-8D, Ortho-sulfamuron, mixts. containing 214706-53-3D, 5-Chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine, mixts. containing 219714-96-2D, Penoxsulam, mixts. containing 220899-03-6D, Metrafenone, mixts. containing 221201-92-9D, N-[Cyclopropylmethoxyimino(6-difluoromethoxy-2,3-difluorophenyl)methyl]-2-phenylacetamide, mixts. containing 221205-90-9D, Pyrimisulfan, mixts. containing 221667-31-8D, Cyprosulfamide, mixts. containing 223419-20-3D, Profluthrin, mixts. containing
 223580-51-6D, Tiadinil, mixts. containing 224049-04-1D, Isotianil, mixts. containing 226551-21-9D, N-(3-Ethyl-3,5,5-trimethylcyclohexyl)-3-formylamino-2-hydroxybenzamide, mixts. containing 229977-93-9D, FLUACRYPYRIM, mixts. containing 239110-15-7D, Fluopicolide, mixts. containing 243973-20-8D, Pinoxaden, mixts. containing 248593-16-0D, Orysastrobin, mixts. containing 256412-89-2D, Metamifop, mixts. containing 269720-29-8D, mixts. containing 271241-14-6D, Dimefluthrin, mixts. containing 272451-65-7D, Flubendiamide, mixts. containing 283159-90-0D, Valiphenal, mixts. containing 283594-90-1D, Spiromesifen, mixts. containing 287941-52-0D, N'-[4-(4-Chloro-3-trifluoromethylphenoxy)-2,5-dimethylphenyl]-N-ethyl-N-methylformamidine, mixts. containing 287941-79-1D, N'-[4-(4-Fluoro-3-trifluoromethylphenoxy)-2,5-dimethylphenyl]-N-ethyl-N-methylformamidine, mixts. containing 304911-98-6D, N-(4-Chloro-2-nitrophenyl)-N-ethyl-4-methylbenzenesulfonamide, mixts.

containing 315208-17-4D, Pyrafluprole, mixts. containing 325155-62-2D, mixts.
 containing 335104-84-2D, Tembotrione, mixts. containing 337458-27-2D, Pyrifluquinazon, mixts. containing 345206-00-0D, mixts. containing 348635-87-0D, Amisulbrom, mixts. containing 352010-68-5D, mixts. containing 353292-31-6D, mixts. containing 361377-29-9D, Fluoxastrobin, mixts.
 containing 365400-11-9D, Pyrasulfotole, mixts. containing 366815-41-0D, mixts.
 containing 372137-35-4D, Saflufenacil, mixts. containing 374726-62-2D, Mandipropamid, mixts. containing 376645-78-2D, mixts. containing 394730-71-3D, Pyriprole, mixts. containing 400852-66-6D, Mesosulfuron, mixts. containing 400882-07-7D, Cyflumetofen, mixts. containing 404875-67-8D, mixts. containing 404875-68-9D, mixts. containing 412928-75-7D, Flucetosulfuron, mixts. containing 413615-35-7D, Benthiavalicarb, mixts. containing 420138-40-5D, Pyribambenzpropyl, mixts. containing 422556-08-9D, Pyroxsulam, mixts.
 containing 447399-55-5D, Pyroxasulfone, mixts. containing 473278-76-1D, Tefuryltrione, mixts. containing 473798-59-3D, mixts. containing 494793-45-2D, N-[2-(1,3,3-Trimethylbutyl)phenyl]-1,3-dimethyl-5-fluoro-1H-pyrazole-4-carboxamide, mixts. containing 494793-67-8D, N-[2-(1,3-Dimethylbutyl)phenyl]-1,3-dimethyl-5-fluoro-1H-pyrazole-4-carboxamide, mixts. containing 496851-93-5D, mixts. containing 499223-49-3D, 6-Chloro-3-(2-cyclopropyl-6-methylphenoxy)pyridazin-4-ol, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 560121-52-0D, Cyenopyrafen, mixts. containing 570415-88-2D, mixts. containing 581809-46-3D, Bixafen, mixts. containing 658066-35-4D, Fluopyram, mixts. containing 736994-63-1D, Cyazypyr, mixts. containing 750643-57-3D, Enestroburin, mixts. containing 765286-17-7D, 2-(4-Chlorophenyl)-N-[4-(3,4-dimethoxyphenyl)isoxazol-5-yl]-2-prop-2-ynyloxyacetamide, mixts. containing 799247-52-2D, Pyribencarb, mixts. containing 847749-37-5D, 3-[5-(4-Chlorophenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine, mixts. containing 858954-83-3D, mixts. containing 863549-51-3D, Lepimectin, mixts. containing 865318-97-4D, 5-Ethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 868390-90-3D, Pyrimorph, mixts. containing 870765-96-1D, N'-[2-Methyl-5-trifluoromethyl-4-(3-trimethylsilanylpropoxy)phenyl]-N-ethyl-N-methylformamidine, mixts. containing 870765-98-3D, N'-[5-Difluoromethyl-2-methyl-4-(3-trimethylsilanylpropoxy)phenyl]-N-ethyl-N-methylformamidine, mixts. containing 874967-67-6D, Sedaxane, mixts. containing 881685-58-1D, Isopyrazam, mixts. containing 907204-31-3D, mixts. containing 918154-92-4D, N-[1-[1-(4-Cyanophenyl)ethanesulfonyl]but-2-yl]carbamic acid (4-fluorophenyl) ester, mixts. containing 922514-07-6D, mixts. containing 922514-49-6D, mixts. containing 935545-74-7D, Spinetoram, mixts. containing 936331-72-5D, Thiencarbazone, mixts. containing 943831-36-5D, mixts.
 containing 943831-98-9D, mixts. containing 945615-47-4D, 3-[5-(4-Methylphenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine, mixts. containing 949575-92-2D, N-(4'-Trifluoromethylthiobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 958647-10-4D, Flutianil, mixts. containing 1020398-65-5D, 1-(4-Chlorophenyl)-2-([1,2,4]triazol-1-yl)cycloheptanol, mixts. containing 1198080-96-4D, mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (fungicidal mixts. comprising heteroarom. sulfonamides)

GI



AB The present invention relates to fungicidal mixts., comprising at least one heteroarom. sulfonamide compound of formula (I) wherein: X = N, CH or C-R1; n = number of substituents R1 on the pyridine or pyrimidine ring and n = 0-3; R1 = halo, CN, NO2, etc.; R2 = H, C1-C4-alkyl, C1-C4-haloalkyl, etc.; m = number of substituents R3 on the Ph ring and m = 0-4; R3 = halo, CN, NO2, etc.; Y = divalent group selected from -O-, C1-C4-alkanediyl, -O-CH2-, etc.; Het is a 5- or 6-membered heteroarom. radical; and one second active compound selected from groups (A) to (I) and at least one third active compound selected from groups (A) to (I) as defined in the description, and to compns. comprising these mixts. Several exemplary title compds. in binary and ternary mixts. with other pesticides from groups (A)-(I) are shown to be synergistically effective against several phytopathogenic fungi.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:1406255 CAPLUS

DOCUMENT NUMBER: 153:611897

TITLE: A method for increasing the vigor and/or crop yield of agricultural plants under essentially non-existent pathogen pressure

INVENTOR(S): Frank, Markus; Silva, David Ernest

PATENT ASSIGNEE(S): Basf SE, Germany

SOURCE: PCT Int. Appl., 57pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010128003	A2	20101111	WO 2010-EP55947	20100503
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: US 2009-175818P P 20090506
US 2009-176511P P 20090508

IT 51-03-6D, Piperonyl butoxide, mixts. containing 52-51-7D, Bronopol, mixts. containing 52-68-6D, Trichlorfon, mixts. containing 55-38-9D, Fenthion, mixts. containing 56-38-2D, Parathion, mixts. containing 57-92-1D, Streptomycin, mixts. containing 60-51-5D, Dimethoate, mixts. containing 61-82-5D,

1H-1,2,4-Triazol-5-amine, mixts. containing 62-73-7D, Dichlorvos, mixts. containing 63-25-2D, Carbaryl, mixts. containing 67-48-1D, Choline chloride, mixts. containing 76-87-9D, Fentin hydroxide, mixts. containing 77-06-5D, Gibberellic acid, mixts. containing 78-48-8D, mixts. containing 79-57-2D, Oxytetracyclin, mixts. containing 82-68-8D, Quintozene, mixts. containing 86-50-0D, Azinphos-methyl, mixts. containing 86-87-3D, Naphthaleneacetic acid, mixts. containing 87-51-4D, Indole-3-acetic acid, mixts. containing 87-86-5D, Pentachlorophenol, mixts. containing 87-86-5D, Pentachlorophenol, salts, mixts. containing 88-82-4D, 2,3,5-Triiodobenzoic acid, mixts. containing 92-52-4D, Biphenyl, mixts. containing 93-65-2D, Mecoprop, mixts. containing 94-74-6D, MCPA, mixts. containing 94-75-7D, 2,4-Dichlorophenoxyacetic acid, mixts. containing 94-81-5D, MCPB, mixts. containing 94-82-6D, 2,4-DB, mixts. containing 97-23-4D, Dichlorophen, mixts. containing 101-05-3D, Anilazin, mixts. containing 108-48-5D, 2,6-Dimethylpyridine, mixts. containing 112-65-2D, Dodine free base, mixts. containing 113-00-8D, Guanidine, mixts. containing 114-26-1D, Propoxur, mixts. containing 115-29-7D, Endosulfan, mixts. containing 116-06-3D, Aldicarb, mixts. containing 117-18-0D, Tecnazen, mixts. containing 118-74-1D, Hexachlorobenzene, mixts. containing 120-36-5D, Dichloroprop, mixts. containing 121-21-1D, Pyrethrin I, mixts. containing 121-29-9D, Pyrethrin II, mixts. containing 121-75-5D, Malathion, mixts. containing 122-14-5D, Fenitrothion, mixts. containing 122-34-9D, Simazine, mixts. containing 122-39-4D, Diphenylamine, mixts. containing 123-33-1D, Maleic hydrazide, mixts. containing 124-58-3D, Methylarsonic acid, mixts. containing 132-66-1D, Naptalam, mixts. containing 133-06-2D, Captan, mixts. containing 133-07-3D, Folpet, mixts. containing 137-26-8D, Thiram, mixts. containing 137-30-4D, Ziram, mixts. containing 141-66-2D, Dicrotophos, mixts. containing 142-71-2D, Copper acetate, mixts. containing 144-54-7D, Metam, mixts. containing 145-73-3D, Endothal, mixts. containing 148-79-8D, Thiabendazole, mixts. containing 298-00-0D, Methylparathion, mixts. containing 298-02-2D, Phorate, mixts. containing 298-04-4D, Disulfoton, mixts. containing 301-12-2D, Oxydemeton-methyl, mixts. containing 311-45-5D, Paraoxon, mixts. containing 314-40-9D, Bromacil, mixts. containing 330-54-1D, Diuron, mixts. containing 330-55-2D, Linuron, mixts. containing 333-41-5D, Diazinon, mixts. containing 470-90-6D, Chlorfenvinphos, mixts. containing 485-31-4D, Binapacryl, mixts. containing 533-74-4D, Dazomet, mixts. containing 563-12-2D, Ethion, mixts. containing 584-79-2D, Allethrin, mixts. containing 639-58-7D, Fentin chloride, mixts. containing 709-98-8D, Propanil, mixts. containing 731-27-1D, Tolyfluanid, mixts. containing 732-11-6D, Phosmet, mixts. containing 759-94-4D, Eptam, mixts. containing 834-12-8D, Ametryn, mixts. containing 886-50-0D, Terbutryn, mixts. containing 900-95-8D, Fentin acetate, mixts. containing 950-37-8D, Methidathion, mixts. containing 973-21-7D, Dinobuton, mixts. containing 1085-98-9D, Dichlofluanid, mixts. containing 1194-65-6D, Dichlobenil, mixts. containing 1214-39-7D, 6-Benzylaminopurine, mixts. containing 1332-40-7D, Copper oxychloride, mixts. containing 1344-69-0D, Copper hydroxide, mixts. containing 1344-73-6D, Basic copper sulfate, mixts. containing 1563-66-2D, Carbofuran, mixts. containing 1582-09-8D, Trifluralin, mixts. containing 1593-77-7D, Dodemorph, mixts. containing 1596-84-5D, Daminozide, mixts. containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D, Bromoxynil, mixts. containing 1698-60-8D, Chloridazon, mixts.

containing 1702-17-6D, Clopyralid, mixts. containing 1861-40-1D,
 Benfluralin,
 mixts. containing 1897-45-6D, Chlorothalonil, mixts. containing 1910-42-5D,
 Paraquat, mixts. containing 1912-24-9D, Atrazine, mixts. containing
 1918-00-9D, Dicamba, mixts. containing 1918-02-1D, Picloram, mixts.
 containing
 1918-16-7D, Propachlor, mixts. containing 1929-82-4D, Nitrapyrin, mixts.
 containing 2008-41-5D, Butylate, mixts. containing 2032-65-7D, Methiocarb,
 mixts. containing 2079-00-7D, Blasticidin-S, mixts. containing 2136-79-0D,
 Chlorthal, mixts. containing 2164-08-1D, Lenacil, mixts. containing
 2164-17-2D, Fluometuron, mixts. containing 2212-67-1D, Molinate, mixts.
 containing 2303-17-5D, Triallate, mixts. containing 2310-17-0D, Phosalone,
 mixts. containing 2312-35-8D, Propargite, mixts. containing 2425-06-1D,
 Captafol, mixts. containing 2439-01-2D, Chinomethionat, mixts. containing
 2439-10-3D, Dodine, mixts. containing 2593-15-9D, Etridiazole, mixts.
 containing
 2597-03-7D, Phenthoate, mixts. containing 2764-72-9D, Diquat, mixts.
 containing
 2797-51-5D, Quinoclamine, mixts. containing **2921-88-2D**,
 Chlorpyrifos, mixts. containing 3337-71-1D, Asulam, mixts. containing
 3347-22-6D, Dithianon, mixts. containing 3478-94-2D, Piperalin, mixts.
 containing 3813-05-6D, Benazolin, mixts. containing 3878-19-1D,
 Fuberidazole,
 mixts. containing 5234-68-4D, Carboxin, mixts. containing 5259-88-1D,
 Oxycarboxin, mixts. containing **5598-13-0D**, Chlorpyrifos-methyl,
 mixts. containing 5902-51-2D, Terbacil, mixts. containing 5915-41-3D,
 Terbutylazine, mixts. containing 6923-22-4D, Monocrotophos, mixts.
 containing
 6980-18-3D, Kasugamycin, mixts. containing 7287-19-6D, Prometryn, mixts.
 containing 7696-12-0D, Tetramethrin, mixts. containing 7704-34-9D, Sulfur,
 mixts. containing 7786-34-7D, Mevinphos, mixts. containing 8011-63-0D,
 Bordeaux mixture, mixts. containing 8018-01-7D, Mancozeb, mixts. containing
 9006-42-2D, Metiram, mixts. containing 10004-44-1D, Hymexazole, mixts.
 containing 10265-92-6D, Methamidophos, mixts. containing 10380-28-6D,
 Oxine-copper, mixts. containing 10453-86-8D, Resmethrin, mixts. containing
 10552-74-6D, Nitrothal-isopropyl, mixts. containing 10605-21-7D,
 Carbendazim, mixts. containing 11141-17-6D, Azadirachtin, mixts. containing
 12071-83-9D, Propineb, mixts. containing 12122-67-7D, Zineb, mixts.
 containing
 12427-38-2D, Maneb, mixts. containing 12771-68-5D, Ancymidol, mixts.
 containing
13071-79-9D, Terbufos, mixts. containing 13108-52-6D,
 2,3,5,6-Tetrachloro-4-methanesulfonylpyridine, mixts. containing
 13121-70-5D, Cyhexatin, mixts. containing 13171-21-6D, Phosphamidon, mixts.
 containing 13356-08-6D, Fenbutatin oxide, mixts. containing 13457-18-6D,
 Pyrazophos, mixts. containing 13516-27-3D, Iminoctadine, mixts. containing
 13598-36-2D, Phosphorous acid, mixts. containing, biological studies
 13598-36-2D, Phosphorous acid, salts, mixts. containing, biological studies
 13684-56-5D, Desmedipham, mixts. containing 13684-63-4D, Phenmedipham,
 mixts. containing 14484-64-1D, Ferbam, mixts. containing 14698-29-4D,
 Oxolinic
 acid, mixts. containing 14816-18-3D, Phoxim, mixts. containing 15263-53-3D,
 Cartap, mixts. containing 15299-99-7D, Napropamide, mixts. containing
 15302-91-7D, Mepiquat, mixts. containing 15310-01-7D, Benodanil, mixts.
 containing 15545-48-9D, Chlortoluron, mixts. containing 15845-66-6D,
 Fosetyl,
 mixts. containing 15972-60-8D, Alachlor, mixts. containing 16118-49-3D,
 Carbetamide, mixts. containing 16672-87-0D, Ethephon, mixts. containing
 16752-77-5D, Methomyl, mixts. containing 17109-49-8D, Edifenphos, mixts.
 containing 17804-35-2D, Benomyl, mixts. containing 17824-85-0D,
 3,4,5-Trichloropyridine-2,6-dicarbonitrile, mixts. containing 18691-97-9D,
 Methabenzthiazuron, mixts. containing 18854-01-8D, Isoxathion, mixts.
 containing

19044-88-3D, Oryzalin, mixts. containing 19666-30-9D, Oxadiazon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing 21293-29-8D, Abscissic acid, mixts. containing 21452-14-2D, 2-Amino-4-methylthiazole-5-carboxanilide, mixts. containing 21725-46-2D, Cyanazine, mixts. containing 22248-79-9D, Tetrachlorvinphos, mixts. containing 22781-23-3D, Bendiocarb, mixts. containing 22936-75-0D, Dimethametryn, mixts. containing 22976-87-0D, Polyoxine, mixts. containing 23031-36-9D, Prallethrin, mixts. containing 23103-98-2D, Pirimicarb, mixts. containing 23135-22-0D, Oxamyl, mixts. containing 23184-66-9D, Butachlor, mixts. containing 23564-05-8D, Thiophanate-methyl, mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24017-47-8D, Triazophos, mixts. containing 24307-26-4D, Mepiquat chloride, mixts. containing 24579-73-5D, Propamocarb, mixts. containing 24691-80-3D, Fenfuram, mixts. containing 25057-89-0D, Bentazone, mixts. containing 25319-90-8D, MCPA-thioethyl, mixts. containing 25606-41-1D, Propamocarb hydrochloride, mixts. containing 26087-47-8D, Iprobenfos, mixts. containing 26225-79-6D, Ethofumesate, mixts. containing 26530-20-1D, Othilinone, mixts. containing 26644-46-2D, Triforine, mixts. containing 27314-13-2D, Norflurazon, mixts. containing 27355-22-2D, Phthalide, mixts. containing 27605-76-1D, Probenazole, mixts. containing 28249-77-6D, Thiobencarb, mixts. containing 29091-21-2D, Prodiamine, mixts. containing 29232-93-7D, Pirimiphos-methyl, mixts. containing 30560-19-1D, Acephate, mixts. containing 31717-87-0D, Dodemorph-acetate, mixts. containing 31895-21-3D, Thiocyclam, mixts. containing 33629-47-9D, Butralin, mixts. containing 34014-18-1D, Tebuthiuron, mixts. containing 34123-59-6D, Isoproturon, mixts. containing 34256-82-1D, Acetochlor, mixts. containing 34622-58-7D, Orbencarb, mixts. containing 34643-46-4D, Prothiofos, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35400-43-2D, Sulprophos, mixts. containing 35554-44-0D, Imazalil, mixts. containing 35575-96-3D, Azamethiphos, mixts. containing 35597-43-4D, Bilanafos, mixts. containing 36335-67-8D, Butamifos, mixts. containing 37248-47-8D,

Validamycin
A, mixts. containing 39148-24-8D, Fosetylaluminum, mixts. containing 39300-45-3D, Dinocap, mixts. containing 39515-40-7D, Cyphenothrin, mixts. containing 39515-41-8D, Fenpropathrin, mixts. containing 39807-15-3D, Oxadiargyl, mixts. containing 40164-67-8D, Amidochlor, mixts. containing 40487-42-1D, Pendimethalin, mixts. containing
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(method for increasing the vigor and/or crop yield of agricultural plants under essentially non-existent pathogen pressure)

IT 40596-69-8D, Methoprene, mixts. containing 40843-25-2D, Diclofop, mixts. containing 41198-08-7D, Profenofos, mixts. containing 41394-05-2D,

Metamitron,
mixts. containing 41483-43-6D, Bupirimate, mixts. containing 41814-78-2D, Tricyclazole, mixts. containing 42576-02-3D, Bifenox, mixts. containing 42609-52-9D, Daimuron, mixts. containing 42874-03-3D, Oxyfluorfen, mixts. containing 43121-43-3D, Triadimefon, mixts. containing 43222-48-6D, Difenzoquat-methyl sulfate, mixts. containing 49866-87-7D, Difenzoquat, mixts. containing 50512-35-1D, Isoprothiolane, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing 50594-66-6D, Acifluorfen, mixts. containing 51218-45-2D, Metolachlor, mixts. containing 51218-49-6D, Pretilachlor, mixts. containing 51235-04-2D, Hexazinone, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 51596-10-2D, Milbemectin, mixts. containing 51630-58-1D, Fenvalerate, mixts. containing 51707-55-2D, Thidiazuron, mixts. containing 52315-07-8D, Cypermethrin, mixts. containing 52508-35-7D, mixts. containing 52570-16-8D, Naproanilide, mixts. containing 52645-53-1D, Permethrin, mixts. containing 52888-80-9D, Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 53112-28-0D, Pyrimethanil, mixts. containing 53780-34-0D, Mefluidide, mixts. containing 55179-31-2D,

Bitertanol, mixts. containing 55219-65-3D, Triadimenol, mixts. containing 55283-68-6D, Ethalfluralin, mixts. containing 55285-14-8D, Carbosulfan, mixts. containing 55290-64-7D, Dimethipin, mixts. containing 55512-33-9D, Pyridate, mixts. containing 55814-41-0D, Mepronil, mixts. containing 56425-91-3D, Flurprimidol, mixts. containing 57018-04-9D, Tolclofos-methyl, mixts. containing 57369-32-1D, Pyroquilon, mixts. containing 57520-17-9D, Iminoctadine-triacetate, mixts. containing 57837-19-1D, Metalaxyl, mixts. containing 57960-19-7D, Acequinocyl, mixts. containing 57966-95-7D,

Cymoxanil,

mixts. containing 58011-68-0D, Pyrazolynate, mixts. containing 58810-48-3D, Ofurace, mixts. containing 59669-26-0D, Thiodicarb, mixts. containing 59756-60-4D, Fluridone, mixts. containing 60168-88-9D, Fenarimol, mixts. containing 60207-31-0D, Azaconazole, mixts. containing 60207-90-1D, Propiconazole, mixts. containing 61213-25-0D, mixts. containing

61432-55-1D,

Dimepiperate, mixts. containing 62732-91-6D, Debacarb, mixts. containing 62865-36-5D, Diclomezine, mixts. containing 62924-70-3D, Flumetralin, mixts. containing 63284-71-9D, Nuarimol, mixts. containing 63837-33-2D,

Diofenolan,

mixts. containing 64249-01-0D, Anilofos, mixts. containing 64529-56-2D, Ethiozin, mixts. containing 64628-44-0D, Triflumuron, mixts. containing 64902-72-3D, Chlorsulfuron, mixts. containing 65907-30-4D, Furathiocarb, mixts. containing 66063-05-6D, Pencycuron, mixts. containing 66215-27-8D, Cyromazine, mixts. containing 66230-04-4D, Esfenvalerate, mixts. containing 66246-88-6D, Penconazole, mixts. containing 66332-96-5D, Flutolanil, mixts. containing 66841-25-6D, Tralomethrin, mixts. containing 66952-49-6D, Methasulfocarb, mixts. containing 67129-08-2D, Metazachlor, mixts. containing 67306-00-7D, Fenpropidin, mixts. containing 67375-30-8D, Alpha-cypermethrin, mixts. containing 67485-29-4D, Hydramethylnon, mixts. containing

67527-71-3D,

Mildiomycin, mixts. containing 67564-91-4D, Fenpropimorph, mixts. containing 67747-09-5D, Prochloraz, mixts. containing 68085-85-8D, Cyhalothrin, mixts. containing 68157-60-8D, Forchlorfenuron, mixts. containing 68359-37-5D, Cyfluthrin, mixts. containing 68505-69-1D, Benfuresate, mixts. containing 68694-11-1D, Triflumizol, mixts. containing 69327-76-0D, Buprofezin, mixts. containing 69335-91-7D, Fluazifop, mixts. containing 69377-81-7D,

Fluroxypyr,

mixts. containing 69806-34-4D, Haloxypop, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71561-11-0D, Pyrazoxyfen, mixts. containing 71626-11-4D, Benalaxyl, mixts. containing 71751-41-2D, Abamectin, mixts. containing 72178-02-0D, Fomesafen, mixts. containing 72459-58-6D,

Triazoxide,

mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing 72962-43-7D, Brassinolide, mixts. containing 72963-72-5D, Imiprothrin, mixts. containing 73250-68-7D, Mefenacet, mixts. containing 74051-80-2D, Sethoxydim, mixts. containing 74070-46-5D, Aclonifen, mixts. containing 74115-24-5D, Clofentezine, mixts. containing 74223-56-6D, Sulfometuron, mixts. containing 74223-64-6D, Metsulfuron-methyl, mixts. containing 74712-19-9D, Bromobutide, mixts. containing 74738-17-3D, Fenpiclonil, mixts. containing 76280-91-6D, Tecloftalam, mixts. containing 76578-12-6D, Quizalofop, mixts. containing 76608-88-3D, Triapenthenol, mixts. containing 76674-21-0D, Flutriafol, mixts. containing 76738-62-0D, mixts. containing 77501-63-4D, Lactofen,

mixts.

containing 77732-09-3D, Oxadixyl, mixts. containing 78587-05-0D,

Hexythiazox,

mixts. containing 79277-67-1D, Thifensulfuron, mixts. containing 79538-32-2D, Tefluthrin, mixts. containing 79540-50-4D, Etobenzanid, mixts. containing 79622-59-6D, Fluazinam, mixts. containing 79983-71-4D, Hexaconazole, mixts. containing 80060-09-9D, Diafenthiuron, mixts. containing 81334-34-1D, Imazapyr, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81335-77-5D, Imazethapyr, mixts. containing 81412-43-3D, Tridemorph, mixts. containing 81591-81-3D, Sulfosate, mixts. containing

81777-89-1D, Clomazone, mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82211-24-3D, Inabenfide, mixts. containing 82558-50-7D,

Isoxaben,
 mixts. containing 82560-54-1D, Benfuracarb, mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 82692-44-2D, Benzofenap, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 83130-01-2D, Alanycarb, mixts. containing 83164-33-4D, Diflufenican, mixts. containing 83657-18-5D, Diniconazole-M, mixts. containing 83657-22-1D, Uniconazole, mixts. containing 83657-24-3D, Diniconazole, mixts. containing 84087-01-4D, Quinclorac, mixts. containing 84466-05-7D, Amidoflumet, mixts. containing 84496-56-0D,

Clomeprop,
 mixts. containing 85509-19-9D, Flusilazole, mixts. containing 85785-20-2D, Esprocarb, mixts. containing 86479-06-3D, Hexaflumuron, mixts. containing 86598-92-7D, Imibenconazole, mixts. containing 87130-20-9D, Diethofencarb, mixts. containing 87546-18-7D, Flumiclorac-pentyl, mixts. containing 87674-68-8D, Dimethenamid, mixts. containing 87818-31-3D, Cinmethylin, mixts. containing 87820-88-0D, Tralkoxydim, mixts. containing 88283-41-4D, Pyrifenox, mixts. containing 88671-89-0D, Myclobutanil, mixts. containing 88678-67-5D, Pyributicarb, mixts. containing 88805-35-0D, Prohexadione, mixts. containing 89269-64-7D, Ferimzone, mixts. containing 89583-90-4D, Benclothiaz, mixts. containing 90717-03-6D, Quinmerac, mixts. containing 90982-32-4D, Chlorimuron-ethyl, mixts. containing 91315-15-0D, Aldimorph, mixts. containing 94125-34-5D, Prosulfuron, mixts. containing 94361-06-5D, Cyproconazole, mixts. containing 94593-91-6D, Cinosulfuron, mixts. containing 95266-40-3D, Trinexapac-ethyl, mixts. containing 95617-09-7D, Fenoxaprop, mixts. containing 95737-68-1D, Pyriproxyfen, mixts. containing 96489-71-3D, Pyridaben, mixts. containing 96491-05-3D, Thenylchlor, mixts. containing 96525-23-4D, Flurtamone, mixts. containing 97886-45-8D, Dithiopyr, mixts. containing 98243-83-5D, Benalaxyl-M, mixts. containing 98389-04-9D, Pyrazosulfuron, mixts. containing 98967-40-9D, Flumetsulam, mixts. containing 99105-77-8D, Sulcotrione, mixts. containing 99129-21-2D, Clethodim, mixts. containing 99283-01-9D, Bensulfuron, mixts. containing 99485-76-4D,

Cumyluron,
 mixts. containing 100728-84-5D, Imazamethabenz, mixts. containing 101205-02-1D, Cycloxydim, mixts. containing 101463-69-8D, Flufenoxuron, mixts. containing 101903-30-4D, Pefurazoate, mixts. containing

102851-06-9D,
 Tau-fluvalinate, mixts. containing 103055-07-8D, Lufenuron, mixts. containing 103361-09-7D, Flumioxazin, mixts. containing 104030-54-8D, Carpropamid, mixts. containing 104040-78-0D, Flazasulfuron, mixts. containing

104098-48-8D,
 Imazapic, mixts. containing **104206-82-8D**, Mesotrione, mixts. containing 105024-66-6D, Silafluofen, mixts. containing 106040-48-6D, Tribenuron, mixts. containing 106700-29-2D, Pethoxamid, mixts. containing 106917-52-6D, Flusulfamide, mixts. containing 107534-96-3D, Tebuconazole, mixts. containing 108173-90-6D, Guazatine, mixts. containing 109293-97-2D, Diflufenzopyr, mixts. containing 110235-47-7D, Mepanipyrim, mixts. containing 110488-70-5D, Dimethomorph, mixts. containing 110956-75-7D, Pentoxazone, mixts. containing 111479-05-1D, Propaquizafop, mixts. containing

111988-49-9D,
 Thiachloprid, mixts. containing 111991-09-4D, Nicosulfuron, mixts. containing 112143-82-5D, Triazamate, mixts. containing 112226-61-6D, Halofenozide, mixts. containing 112281-77-3D, Tetraconazole, mixts. containing

112410-23-8D,
 Tebufenozide, mixts. containing 112860-04-5D, mixts. containing

113036-87-6D,
 Primisulfuron, mixts. containing 113036-88-7D, Flucycloxuron, mixts. containing

113136-77-9D, Cyclanilide, mixts. containing 113614-08-7D, Beflubutamid, mixts. containing 114311-32-9D, Imazamox, mixts. containing 114369-43-6D, Fenbuconazole, mixts. containing 114420-56-3D, Clodinafop, mixts. containing 115044-19-4D, Guazatine-acetate, mixts. containing 115852-48-7D, Fenoxanil,

mixts. containing 116255-48-2D, Bromuconazole, mixts. containing
 116714-46-6D,
 Novaluron, mixts. containing 117428-22-5D, Picoxystrobin, mixts. containing
 117718-60-2D, Thiazoppyr, mixts. containing 118134-30-8D, Spiroxamine, mixts.
 containing 118712-89-3D, Transfluthrin, mixts. containing 119126-15-7D,
 Flupoxam, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing
 119791-41-2D, Emamectin, mixts. containing 119899-14-8D,
 2-Chloro-N-(1,1,3-trimethylindan-4-yl)nicotinamide, mixts. containing
 120068-37-3D, Fipronil, mixts. containing 120116-88-3D, Cyazofamid, mixts.
 containing 120162-55-2D, Azimsulfuron, mixts. containing 120923-37-7D,
 Amidosulfuron, mixts. containing 120928-09-8D, Fenazaquin, mixts. containing
 121552-61-2D, Cyprodinil, mixts. containing 122008-85-9D, Cyhalofop-butyl,
 mixts. containing 122431-24-7D, Flupyrazofos, mixts. containing
 122453-73-0D,
 Chlorfenapyr, mixts. containing 122548-33-8D, Imazosulfuron, mixts.
 containing
 122836-35-5D, Sulfentrazone, mixts. containing 122931-48-0D, Rimsulfuron,
 mixts. containing 123312-89-0D, Pymetrozine, mixts. containing
 123342-93-8D,
 Pyriithiobac, mixts. containing 123572-88-3D, Furametpyr, mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (method for increasing the vigor and/or crop yield of agricultural
 plants under essentially non-existent pathogen pressure)
 IT 124495-18-7D, Quinoxifen, mixts. containing 125116-23-6D, Metconazole,
 mixts. containing 125225-28-7D, Ipconazole, mixts. containing 125306-83-4D,
 Cafenstrole, mixts. containing 125401-92-5D, Bispyribac-sodium, mixts.
 containing 126801-58-9D, Ethoxysulfuron, mixts. containing 126833-17-8D,
 Fenhexamid, mixts. containing 127277-53-6D, Prohexadione-calcium, mixts.
 containing 128621-72-7D, Carfentrazone, mixts. containing 129558-76-5D,
 Tolfenpyrad, mixts. containing 129630-19-9D, Pyraflufen-ethyl, mixts.
 containing
 129909-90-6D, Amicarbazone, mixts. containing 130000-40-7D, Thifluzamide,
 mixts. containing 130339-07-0D, Diflumetorim, mixts. containing
 131341-86-1D,
 Fludioxonil, mixts. containing 131475-57-5D, Triaziflam, mixts. containing
 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin,
 mixts. containing 131983-72-7D, Triticonazole, mixts. containing
 133220-30-1D,
 Indanofan, mixts. containing 133408-50-1D, Metominostrobin, mixts. containing
 134074-64-9D, Oxpoconazole, mixts. containing 134605-64-4D, Butafenacil,
 mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing
 135186-78-6D, Pyrifthalid, mixts. containing 135397-30-7D, Halosulfuron,
 mixts. containing 135410-20-7D, Acetamiprid, mixts. containing
 135990-29-3D,
 Triflusulfuron, mixts. containing 136426-54-5D, Fluquinconazole, mixts.
 containing 136516-19-3D, mixts. containing 136849-15-5D, Cyclosulfamuron,
 mixts. containing 137641-05-5D, Picolinafen, mixts. containing
 138164-12-2D,
 Butoxydim, mixts. containing 138261-41-3D, Imidacloprid, mixts. containing
 139001-49-3D, Profoxydim, mixts. containing 139528-85-1D, Metosulam, mixts.
 containing 139920-32-4D, Diclocymet, mixts. containing 139968-49-3D,
 Metaflumizone, mixts. containing 140163-89-9D, Imicyafos, mixts. containing
 140923-17-7D, Iprovalicarb, mixts. containing 141112-29-0D, Isoxaflutole,
 mixts. containing 141517-21-7D, Trifloxystrobin, mixts. containing
 141776-32-1D, Sulfosulfuron, mixts. containing 142459-58-3D, Flufenacet,
 mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing
 142891-20-1D,
 Cinidon-ethyl, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts.
 containing 144651-06-9D, Oxasulfuron, mixts. containing 145026-81-9D,
 Propoxycarbazone, mixts. containing 145026-88-6D, Flucarbazone, mixts.
 containing 145099-21-4D, Trifloxysulfuron, mixts. containing 145701-21-9D,
 Diclosulam, mixts. containing 145701-23-1D, Florasulam, mixts. containing

145767-97-1D, Vaniliprole, mixts. containing 147150-35-4D,
 Cloransulam-methyl, mixts. containing 147411-69-6D, Pyriminobac-methyl,
 mixts. containing 148477-71-8D, Spirodiclofen, mixts. containing
 149253-65-6D,
 Fluthiacet, mixts. containing 149508-90-7D, Simeconazole, mixts. containing
 149601-03-6D, mixts. containing 149877-41-8D, Bifenazate, mixts. containing
 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxym, mixts.
 containing 150114-71-9D, Aminopyralid, mixts. containing
 150315-10-9D,
 Flupyrulfuron, mixts. containing 150824-47-8D, Nitenpyr, mixts. containing
 153197-14-9D, Oxaziclonifene, mixts. containing 153233-91-1D, Etoazole,
 mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing
 154025-04-4D, Flumetover, mixts. containing 156052-68-5D, Zoxamide, mixts.
 containing 156963-66-5D, Benzobicyclon, mixts. containing 158062-67-0D,
 Flonicamid, mixts. containing 158237-07-1D, Fentrazamide, mixts. containing
 158353-15-2D, Pyraclonil, mixts. containing 161050-58-4D, Methoxyfenozide,
 mixts. containing 161326-34-7D, Fenamidone, mixts. containing 162650-77-3D,
 Ethaboxam, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing
 168088-61-7D, Pyribenzoxim, mixts. containing 168316-95-8D, Spinosad, mixts.
 containing 170015-32-4D, Flufenimer, mixts. containing 173159-57-4D,
 Foramsulfuron, mixts. containing 173584-44-6D, Indoxacarb, mixts. containing
 173980-17-1D, Bencarbazone, mixts. containing 175217-20-6D, Silthiofam,
 mixts. containing 178602-66-9D, Prohydrojasmon, mixts. containing
 178928-70-6D, Prothioconazole, mixts. containing 179101-81-6D, Pyridalyl,
 mixts. containing 180409-60-3D, Cyflufenamid, mixts. containing
 181587-01-9D,
 Ethiprole, mixts. containing 183675-82-3D, Penthiopyrad, mixts. containing
 185119-76-0D, Iodosulfuron, mixts. containing 188425-85-6D, Boscalid, mixts.
 containing 188489-07-8D, Flufenpyr-ethyl, mixts. containing 188634-90-4D,
 Ethoxyfen, mixts. containing 189278-12-4D, Proquinazid, mixts. containing
 189873-26-5D, mixts. containing 200132-83-8D, Kasugamycin
 hydrochloride-hydrate, mixts. containing 200509-41-7D, Quizalofop-P-tefuryl,
 mixts. containing 203313-25-1D, Spirotetramat, mixts. containing
 210631-68-8D,
 Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing
 211867-47-9D, Flumorph, mixts. containing 213464-77-8D, Orthosulfamuron,
 mixts. containing 214706-53-3D, 5-Chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-
 trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine, mixts. containing
 219714-96-2D, Penoxsulam, mixts. containing 220899-03-6D, Metrafenone,
 mixts. containing 221201-92-9D, N-[Cyclopropylmethoxyimino(6-difluoromethoxy-
 2,3-difluorophenyl)methyl]-2-phenylacetamide, mixts. containing
 221205-90-9D, Pyrimisulfan, mixts. containing 221667-31-8D, Cyprosulfamide,
 mixts. containing 223419-20-3D, Profluthrin, mixts. containing
 223580-51-6D,
 Tiadinil, mixts. containing 224049-04-1D, Isotianil, mixts. containing
 226551-21-9D, N-(3-Ethyl-3,5,5-trimethylcyclohexyl)-3-formylamino-2-
 hydroxybenzamide, mixts. containing 229977-93-9D, Fluacrypyrim, mixts.
 containing 239110-15-7D, Flupicolid, mixts. containing 243973-20-8D,
 Pinoxaden, mixts. containing 248593-16-0D, Orysastrob, mixts. containing
 256412-89-2D, Metamifop, mixts. containing 269720-29-8D, mixts. containing
 271241-14-6D, Dimefluthrin, mixts. containing 272451-65-7D, Flubendiamide,
 mixts. containing 283159-90-0D, Valiphenal, mixts. containing 283594-90-1D,
 Spiromesifen, mixts. containing 287941-52-0D,
 N'-[4-(4-Chloro-3-trifluoromethylphenoxy)-2,5-dimethylphenyl]-N-ethyl-N-
 methylformamidine, mixts. containing 287941-79-1D,
 N'-[4-(4-Fluoro-3-trifluoromethylphenoxy)-2,5-dimethylphenyl]-N-ethyl-N-
 methylformamidine, mixts. containing 304911-98-6D,
 N-(4-Chloro-2-nitrophenyl)-N-ethyl-4-methylbenzenesulfonamide, mixts.
 containing 315208-17-4D, Pyrafluprole, mixts. containing 325155-62-2D,
 mixts.
 containing 335104-84-2D, Tembotrione, mixts. containing 337458-27-2D,
 Pyrifluquinazon, mixts. containing 345206-00-0D, mixts. containing

348635-87-0D, Amisulbrom, mixts. containing 352010-68-5D, mixts. containing 353292-31-6D, mixts. containing 361377-29-9D, Fluoxastrobin, mixts. containing 365400-11-9D, Pyrasulfotole, mixts. containing 366815-41-0D, mixts. containing 372137-35-4D, Saflufenacil, mixts. containing 374726-62-2D, Mandipropamid, mixts. containing 376645-78-2D, mixts. containing 376645-94-2D, mixts. containing 394730-71-3D, Pyriprole, mixts. containing 400852-66-6D, Mesosulfuron, mixts. containing 400882-07-7D, Cyflumetofen, mixts. containing 404875-67-8D, mixts. containing 404875-68-9D, mixts. containing 412928-75-7D, Flucetosulfuron, mixts. containing 413615-35-7D, Bentiavalicarb, mixts. containing 420138-40-5D, Pyribambenzpropyl, mixts. containing 422556-08-9D, Pyroxulam, mixts. containing 447399-55-5D, Pyroxasulfone, mixts. containing 473278-76-1D, Tefuryltrione, mixts. containing 473798-59-3D, mixts. containing 494793-45-2D, N-[2-(1,3,3-Trimethylbutyl)phenyl]-1,3-dimethyl-5-fluoro-1H-pyrazole-4-carboxamide, mixts. containing 494793-67-8D, N-[2-(1,3-Dimethylbutyl)phenyl]-1,3-dimethyl-5-fluoro-1H-pyrazole-4-carboxamide, mixts. containing 496851-93-5D, mixts. containing 499223-49-3D, 6-Chloro-3-(2-cyclopropyl-6-methyl-phenoxy)-pyridazin-4-ol, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 560121-52-0D, Cyenopyrafen, mixts. containing 570415-88-2D, mixts. containing 581809-46-3D, Bixafen, mixts. containing 658066-35-4D, Fluopyram, mixts. containing 736994-63-1D, Cyazypyr, mixts. containing 750643-57-3D, Enestroburin, mixts. containing 765286-17-7D, 2-(4-Chlorophenyl)-N-[4-(3,4-dimethoxyphenyl)isoxazol-5-yl]-2-prop-2-ynyloxyacetamide, mixts. containing 799247-52-2D, Pyribencarb, mixts. containing 847749-37-5D, 3-[5-(4-Chlorophenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine, mixts. containing 858954-83-3D, mixts. containing 863549-51-3D, Lepimectin, mixts. containing 865318-97-4D, 5-Ethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 868390-90-3D, Pyrimorph, mixts. containing 870765-96-1D, N'-[2-Methyl-5-trifluoromethyl-4-(3-trimethylsilanylpropoxy)phenyl]-N-ethyl-N-methylformamidine, mixts. containing 870765-98-3D, N'-[5-Difluoromethyl-2-methyl-4-(3-trimethylsilanylpropoxy)phenyl]-N-ethyl-N-methylformamidine, mixts. containing 874967-67-6D, Sedaxane, mixts. containing 881685-58-1D, Isopyrazam, mixts. containing 907204-31-3D, mixts. containing 918154-92-4D, N-[1-[1-(4-Cyanophenyl)ethanesulfonyl]but-2-yl]carbamic acid (4-fluorophenyl) ester, mixts. containing 922514-07-6D, mixts. containing 922514-49-6D, mixts. containing 935545-74-7D, Spinetoram, mixts. containing 936331-72-5D, Thienencarbazone, mixts. containing 943831-36-5D, mixts. containing 943831-98-9D, mixts. containing 945615-47-4D, 3-[5-(4-Methylphenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine, mixts. containing 949575-92-2D, N-(4'-Trifluoromethylthiobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 958647-10-4D, Flutianil, mixts. containing 1020398-65-5D, 1-(4-Chlorophenyl)-2-([1,2,4]triazol-1-yl)cycloheptanol, mixts. containing 1198080-96-4D, mixts. containing

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(method for increasing the vigor and/or crop yield of agricultural plants under essentially non-existent pathogen pressure)

AB A method for increasing the vigor and/or crop yield of agricultural plants under essentially nonexistent pathogen pressure is described. The method comprises treatment with compns. wherein the plants, the plant propagules, the seed of the plants and/or the locus where the plants are growing or are intended to grow, are treated with an effective amount of a composition comprising (a) the Bacillus subtilis strain with NRRL Accession Number

B-21661 or a cell-free extract thereof, and/or a mutant of this strain or extract having all the identifying characteristics of the resp. strain or extract as component (I), and (b) optionally at least one chemical compound as component (II), selected from the active compound groups (A) to (J): (A) strobilurins; (B) carboxamides; (C) azoles; (D) heterocyclic compds.; (E) carbamates; (F) other active substances; (G) plant growth regulators; (H) herbicides; (J) insecticides.

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ACCESSION NUMBER: 2010:1135844 CAPLUS
DOCUMENT NUMBER: 153:400285
TITLE: Oil dispersions of nicotinic acetylcholine receptor binding neonicotinoids
INVENTOR(S): Casana Giner, Victor; Gimeno Sierra, Miguel; Gimeno Sierra, Barbara
PATENT ASSIGNEE(S): GAT Microencapsulation AG, Austria
SOURCE: PCT Int. Appl., 42pp.; Chemical Indexing Equivalent to 153:400284 (EP)
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LANGUAGE: English
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WO 2010099965	A2	20100910	WO 2010-EP1358	20100304
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
EP 2225940	A1	20100908	EP 2009-3183	20090305
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, RS			

PRIORITY APPLN. INFO.: EP 2009-3183 A 20090305

OTHER SOURCE(S): MARPAT 153:400285

IT 60-51-5D, Dimethoate, mixts. containing 61-82-5D, Amitrole, mixts. containing 65-85-0D, Benzoic acid, mixts. containing 74-85-1D, Ethylene, mixts. containing 77-06-5D, Gibberellic acid, mixts. containing 81-81-2D, Warfarin, mixts. containing 85-00-7D, Diquat, mixts. containing 94-74-6D, MCPA, mixts. containing 94-75-7D, 2,4-D, mixts. containing 94-81-5D, MCPB, mixts. containing 94-82-6D, 2,4-DB, mixts. containing 101-21-3D, Chloropropham, mixts. containing 122-39-4D, Diphenylamine, mixts. containing 131-72-6D, Meptyldinocap, mixts. containing 133-06-2D, Captan, mixts. containing 133-07-3D, Folpet, mixts. containing 137-26-8D, Thiram, mixts. containing 137-30-4D, Ziram, mixts. containing 148-79-8D, Thiabendazole, mixts. containing 330-54-1D, Diuron, mixts. containing 330-55-2D, Linuron, mixts. containing 584-79-2D, Allethrin, mixts. containing 731-27-1D, Tolyfluanid, mixts. containing 732-11-6D, Phosmet, mixts. containing 824-39-5D, Sodium o-nitrophenolate, mixts. containing

824-78-2D, Sodium p-nitrophenolate, mixts. containing 1071-83-6D, Glyphosate, mixts. containing 1305-99-3D, Calcium phosphide, mixts. containing 1593-77-7D, Dodemorph, mixts. containing 1596-84-5D, Daminozide, mixts. containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D, Bromoxynil, mixts. containing 1698-60-8D, Chloridazon, mixts. containing 1702-17-6D, Clopyralid, mixts. containing 1861-40-1D, Benfluralin, mixts. containing 1897-45-6D, Chlorothalonil, mixts. containing 1918-00-9D, Dicamba, mixts. containing 1918-02-1D, Picloram, mixts. containing 2032-65-7D, Methiocarb, mixts. containing 2164-08-1D, Lenacil, mixts. containing 2212-67-1D, Molinate, mixts. containing 2303-17-5D, Triallate, mixts. containing 2797-51-5D, Quinoclamine, mixts. containing **2921-88-2D**, Chlorpyrifos, mixts. containing 3878-19-1D, Fuberidazole, mixts. containing **5598-13-0D**, Chlorpyrifos-methyl, mixts. containing 7803-51-2D, Phosphine, mixts. containing 8018-01-7D, Mancozeb, mixts. containing 9006-42-2D, Metiram, mixts. containing 9008-22-4D, Laminarin, mixts. containing 10453-86-8D, Resmethrin, mixts. containing 10605-21-7D, Carbenidazim, mixts. containing 11141-17-6D, Azadirachtin, mixts. containing 12057-74-8D, Magnesium phosphide, mixts. containing 12071-83-9D, Propineb, mixts. containing 12427-38-2D, Maneb, mixts. containing 13194-48-4D, Ethoprophos, mixts. containing 13684-56-5D, Desmedipham, mixts. containing 13684-63-4D, Phenmedipham, mixts. containing 13708-85-5D, Disodium phosphonate, mixts. containing 15165-67-0D, Dichlorprop-P, mixts. containing 15302-91-7D, Mepiquat, mixts. containing 15545-48-9D, Chlorotoluron, mixts. containing 15845-66-6D, Fosetyl, mixts. containing 16484-77-8D, Mecoprop-P, mixts. containing 16672-87-0D, Ethephon, mixts. containing 19666-30-9D, Oxadiazon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing 22224-92-6D, Fenamiphos, mixts. containing 22259-30-9D, Formetanate, mixts. containing 23031-36-9D, Prallethrin, mixts. containing 23103-98-2D, Pirimicarb, mixts. containing 23135-22-0D, Oxamyl, mixts. containing 23149-52-2D, Silver thiosulfate, mixts. containing 23564-05-8D, Thiophanate-methyl, mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24579-73-5D, Propamocarb, mixts. containing 25057-89-0D, Bentazone, mixts. containing 26046-85-5D, mixts. containing 26225-79-6D, Ethofumesate, mixts. containing 28434-01-7D, Bioresmethrin, mixts. containing 29232-93-7D, Pirimiphos-methyl, mixts. containing 34123-59-6D, Isoproturon, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35554-44-0D, Imazalil, mixts. containing 36734-19-7D, Iprodione, mixts. containing 39300-45-3D, Dinocap, mixts. containing 39515-40-7D, Cyphenothrin, mixts. containing 39515-41-8D, Fenpropathrin, mixts. containing 39807-15-3D, Oxadiargyl, mixts. containing 40487-42-1D, Pendimethalin, mixts. containing 40596-69-8D, Methoprene, mixts. containing 41394-05-2D, Metamitron, mixts. containing 42576-02-3D, Bifenox, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 51596-10-2D, Milbemectin, mixts. containing 51630-58-1D, Fenvalerate, mixts. containing 52315-07-8D, Cypermethrin, mixts. containing 52645-53-1D, Permethrin, mixts. containing 52888-80-9D, Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 53112-28-0D, Pyrimethanil, mixts. containing 54406-48-3D, Empenthrin, mixts. containing 55219-65-3D, Triadimenol, mixts. containing 55335-06-3D, Triclopyr, mixts. containing 55512-33-9D, Pyridate, mixts. containing 57018-04-9D, Tolclofos-methyl, mixts. containing 57960-19-7D, Acequinocyl, mixts. containing 57966-95-7D, Cymoxanil, mixts. containing 58769-20-3D, RU 15525, mixts. containing 60207-90-1D, Propiconazole, mixts. containing 63935-38-6D, Cycloprothrin, mixts. containing 64628-44-0D, Triflumuron, mixts. containing 64902-72-3D, Chlorsulfuron,

mixts. containing 66215-27-8D, Cyromazine, mixts. containing 66230-04-4D, Esfenvalerate, mixts. containing 66246-88-6D, Penconazole, mixts. containing 66332-96-5D, Flutolanil, mixts. containing 66841-25-6D, Tralomethrin, mixts. containing 67129-08-2D, Metazachlor, mixts. containing 67233-85-6D, Sodium 5-nitroguaiacol, mixts. containing 67306-00-7D, Fenpropidin, mixts. containing 67375-30-8D, Alpha-Cypermethrin, mixts. containing 67564-91-4D, Fenpropimorph, mixts. containing 68085-85-8D, Cyhalothrin, mixts. containing 68359-37-5D, Beta-Cyfluthrin, mixts. containing 69327-76-0D, Buprofezin, mixts. containing 69377-81-7D, Fluroxypyr, mixts. containing 69770-45-2D, Flumethrin, mixts. containing 69806-34-4D, Haloxyfop, mixts. containing 70124-77-5D, Flucythrinate, mixts. containing 70630-17-0D, Metalaxyl-M, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71626-11-4D, Benalaxyl, mixts. containing 71697-59-1D, Theta-Cypermethrin, mixts. containing 71751-41-2D, Abamectin, mixts. containing 72459-58-6D, Triazoxide, mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing 72963-72-5D, Imiprothrin, mixts. containing 73989-17-0D, Avermectin, derivs., mixts. containing 74070-46-5D, Aclonifen, mixts. containing 74115-24-5D, Clofentezine, mixts. containing 76703-62-3D, Gamma-cyhalothrin, mixts. containing 79277-67-1D, Thifensulfuron, mixts. containing 79510-48-8D, Metsulfuron, mixts. containing **79538-32-2D**, Tefluthrin, mixts. containing 79622-59-6D, Fluazinam, mixts. containing 80844-07-1D, Etofenprox, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81777-89-1D, Clomazone, mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 83164-33-4D, Diflufenican, mixts. containing 85509-19-9D, Flusilazole, mixts. containing 86479-06-3D, Hexaflumuron, mixts. containing 87392-12-9D, S-Metolachlor, mixts. containing 87674-68-8D, Dimethenamid, mixts. containing 87820-88-0D, Tralkoxydim, mixts. containing 94051-08-8D, Quizalofop-P, mixts. containing 94125-34-5D, Prosulfuron, mixts. containing 95737-68-1D, Pyriproxyfen, mixts. containing 96525-23-4D, Flurtamone, mixts. containing 98243-83-5D, Benalaxyl-M, mixts. containing 98886-44-3D, Fosthiazate, mixts. containing 99105-77-8D, Sulcotrione, mixts. containing 99283-01-9D, Bensulfuron, mixts. containing 100784-20-1D, Halosulfuron methyl, mixts. containing 101007-06-1D, Acrinathrin, mixts. containing 101200-48-0D, Tribenuron-methyl, mixts. containing 101463-69-8D, Flufenoxuron, mixts. containing 102851-06-9D, Tau-Fluvalinate, mixts. containing 103055-07-8D, Lufenuron, mixts. containing 103361-09-7D, Flumioxazin, mixts. containing 104040-78-0D, Flazasulfuron, mixts. containing **104206-82-8D**, Mesotrione, mixts. containing 106700-29-2D, Pethoxamid, mixts. containing 107534-96-3D, Tebuconazole, mixts. containing 110235-47-7D, Mepanipyrim, mixts. containing 110488-70-5D, Dimethomorph, mixts. containing 111479-05-1D, Propaquizafop, mixts. containing 111988-49-9D, Thiacloprid, mixts. containing 111991-09-4D, Nicosulfuron, mixts. containing 112281-77-3D, Tetraconazole, mixts. containing 113036-88-7D, Flucycloxuron, mixts. containing 113136-77-9D, Cyclanilide, mixts. containing 113158-40-0D, Fenoxaprop-P, mixts. containing 113282-37-4D, Forchlorofenuron, mixts. containing 113614-08-7D, Beflubutamid, mixts. containing 114311-32-9D, Imazamox, mixts. containing 114420-56-3D, Clodinafop, mixts. containing 114797-39-6D, Methothrin, mixts. containing 116714-46-6D, Novaluron, mixts. containing 117428-22-5D, Picoxystrobin, mixts. containing 118134-30-8D, Spiroxamine, mixts. containing 118712-89-3D, Transfluthrin, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing 119446-68-3D, Difenconazole, mixts. containing 120068-37-3D, Fipronil, mixts. containing 120116-88-3D, Cyazofamid, mixts. containing 120162-55-2D, Azimsulfuron, mixts. containing 120923-37-7D, Amidosulfuron, mixts. containing 121451-02-3D, Noviflumuron, mixts. containing

121552-61-2D, Cyprodinil, mixts. containing 122008-85-9D, Cyhalofop-butyl, mixts. containing 122548-33-8D, Imazosulfuron, mixts. containing 122931-48-0D, Rimsulfuron, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing 124495-18-7D, Quinoxifen, mixts. containing 125116-23-6D, Metconazole, mixts. containing 125225-28-7D, Ipconazole, mixts. containing 125401-92-5D, Bispyribac sodium, mixts. containing 126801-58-9D, Ethoxysulfuron, mixts. containing 126833-17-8D, Fenhexamid, mixts. containing 127277-53-6D, Prohexadione-calcium, mixts. containing 128639-02-1D, Carfentrazone-ethyl, mixts. containing 129630-19-9D, Pyraflufen-ethyl, mixts. containing 131341-86-1D, Fludioxonil, mixts. containing 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin, mixts. containing 131983-72-7D, Triticonazole, mixts. containing 133855-98-8D, Epoxiconazole, mixts. containing 134098-61-6D, Fenpyroximate, mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 135990-29-3D, Triflusulfuron, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138261-41-3, Imidacloprid 138261-41-3D, Imidacloprid, mixts. containing 139001-49-3D, Profoxydim, mixts. containing 139968-49-3D, Metaflumizone, mixts. containing 140923-17-7D, Iprovalicarb, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing 141517-21-7D, Trifloxystrobin, mixts. containing 141776-32-1D, Sulfosulfuron, mixts. containing RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (oil dispersions of nicotinic acetylcholine receptor binding neonicotinoids)

IT 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 143294-89-7D, Trinexapac, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts. containing 143807-66-3D, Chromafenozide, mixts. containing 144550-36-7D, Iodosulfuron-methyl sodium, mixts. containing 144651-06-9D, Oxasulfuron, mixts. containing 144740-53-4D, Flupyrsulfuron methyl, mixts. containing 145026-81-9D, Propoxycarbazon, mixts. containing 145701-23-1D, Florasulam, mixts. containing 148477-71-8D, Spirodiclofen, mixts. containing 149877-41-8D, Bifenazate, mixts. containing 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxydim, mixts. containing 150114-71-9D, Aminopyralid, mixts. containing 150824-47-8D, Nitenpyram, mixts. containing 153233-91-1D, Etoazole, mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing 155569-91-8D, Emamectin benzoate, mixts. containing 156052-68-5D, Zoxamide, mixts. containing 158062-67-0D, Flonicamid, mixts. containing 160791-64-0D, ZXI 8901, mixts. containing 161050-58-4D, Methoxyfenozide, mixts. containing 161326-34-7D, Fenamidone, mixts. containing 162320-67-4D, SZI-121, mixts. containing 168316-95-8D, Spinosad, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 173584-44-6D, Indoxacarb, mixts. containing 175013-18-0D, Pyraclostrobin, mixts. containing 175217-20-6D, Silthiofam, mixts. containing 178928-70-6D, Prothioconazole, mixts. containing 179101-81-6D, Pyridalyl, mixts. containing 180409-60-3D, Cyflufenamid, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 184170-17-0 188425-85-6D, Boscalid, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 201593-84-2D, Bistrifluron, mixts. containing 203313-25-1D, Spirotetramat, mixts. containing 210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 213464-77-8D, Orthosulfamuron, mixts. containing 219714-96-2D, Penoxsulam, mixts. containing 220899-03-6D, Metrafenone, mixts. containing 239110-15-7D, Fluopicolide, mixts. containing 243973-20-8D, Pinoxaden, mixts. containing 272451-65-7D, Flubendiamide, mixts. containing

283159-90-0D, Valiphenal, mixts. containing 283594-90-1D, Spiromesifen, mixts. containing 335104-84-2D, Tembotrione, mixts. containing 348635-87-0D, Amisulbrom, mixts. containing 361377-29-9D, Fluoxastrobin, mixts. containing 374726-62-2D, Mandipropamid, mixts. containing 400852-66-6D, Mesosulfuron, mixts. containing 413615-35-7D, Benthiavalicarb, mixts. containing 422556-08-9D, Pyroxsulam, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 548460-64-6D, mixts. containing 841243-63-8 841243-64-9, Imidacloprid-deltamethrin mixture 870721-81-6D, mixts. containing 935545-74-7D, Spinetoram, mixts. containing 936331-72-5D, Thiencarbazone, mixts. containing 1243641-23-7D, FEN 560, mixts. containing RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (oil dispersions of nicotinic acetylcholine receptor binding neonicotinoids)

AB Selective insect neonicotinoids is a class of pesticide active ingredients that share some characteristics in their chemical structures and bind to the nAChR acetylcholine receptors. Formulation of such compds. in oil suspension or oil dispersion is challenging due to their electrostatic interactions of the heteroatoms in oily media, that lead to irreversible flocculation or diminished homogeneity and bleeding of such oil dispersions. Imidacloprid, Thiamethoxam, Thiachloprid, Nitenpyram, Acetamiprid, Clothianidin and Dinotofuran and derivs. thereof with nAChR binding ability are successfully formulated in oil suspension with the use of certain copolymeric anionic fatty-acid based dispersants, sorbitan derivs., ionic surfactants, other non-ionic surfactants and inorg. polyvalent cationic salt dispersed in the oil. The formulations produced this way show excellent storage stability properties regarding physiochem. parameters, including stability of the neonicotinoid active ingredient, reduced bleeding, and complete redispersibility. Further, they show excellent biol. efficacy due to the reduced and homogeneous particle size below 2 μ m when diluted and emulsified in water.

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ACCESSION NUMBER: 2010:1131467 CAPLUS
DOCUMENT NUMBER: 153:400284
TITLE: Oil dispersions of nicotinic acetylcholine receptor binding neonicotinoids
INVENTOR(S): Casana Giner, Victor; Gimeno Sierra, Miguel; Gimeno Sierra, Barbara
PATENT ASSIGNEE(S): GAT Microencapsulation AG, Austria
SOURCE: Eur. Pat. Appl., 26pp.; Chemical Indexing Equivalent to 153:400285 (WO)
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 2225940	A1	20100908	EP 2009-3183	20090305
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, RS				
WO 2010099965	A2	20100910	WO 2010-EP1358	20100304
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,
IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI,
SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG,
ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

EP 2009-3183

A 20090305

IT 60-51-5D, Dimethoate, mixts. containing 61-82-5D, Amitrole, mixts. containing
65-85-0D, Benzoic acid, mixts. containing 74-85-1D, Ethylene, mixts.

containing

77-06-5D, Gibberellic acid, mixts. containing 81-81-2D, Warfarin, mixts.

containing 85-00-7D, Diquat, mixts. containing 94-74-6D, MCPA, mixts.

containing

94-75-7D, 2,4-D, mixts. containing 94-81-5D, MCPB, mixts. containing

94-82-6D,

2,4-DB, mixts. containing 101-21-3D, Chloropropham, mixts. containing

122-39-4D, Diphenylamine, mixts. containing 131-72-6D, Meptyldinocap, mixts.

containing 133-06-2D, Captan, mixts. containing 133-07-3D, Folpet, mixts.

containing 137-26-8D, Thiram, mixts. containing 137-30-4D, Ziram, mixts.

containing 148-79-8D, Thiabendazole, mixts. containing 330-54-1D, Diuron,

mixts. containing 330-55-2D, Linuron, mixts. containing 584-79-2D,

Allethrin,

mixts. containing 731-27-1D, Tolyfluanid, mixts. containing 732-11-6D,

Phosmet, mixts. containing 824-39-5D, Sodium o-nitrophenolate, mixts.

containing

824-78-2D, Sodium p-nitrophenolate, mixts. containing 1071-83-6D,

Glyphosate, mixts. containing 1305-99-3D, Calcium phosphide, mixts.

containing

1593-77-7D, Dodemorph, mixts. containing 1596-84-5D, Daminozide, mixts.

containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D, Bromoxynil,

mixts. containing 1698-60-8D, Chloridazon, mixts. containing 1702-17-6D,

Clopyralid, mixts. containing 1861-40-1D, Benfluralin, mixts. containing

1897-45-6D, Chlorothalonil, mixts. containing 1918-00-9D, Dicamba, mixts.

containing 1918-02-1D, Picloram, mixts. containing 2032-65-7D, Methiocarb,

mixts. containing 2164-08-1D, Lenacil, mixts. containing 2212-67-1D,

Molinate,

mixts. containing 2303-17-5D, Triallate, mixts. containing 2797-51-5D,

Quinoclamine, mixts. containing 2921-88-2D, Chlorpyrifos, mixts.

containing 3878-19-1D, Fuberidazole, mixts. containing 5598-13-0D,

Chlorpyrifos-methyl, mixts. containing 7803-51-2D, Phosphine, mixts.

containing

8018-01-7D, Mancozeb, mixts. containing 9006-42-2D, Metiram, mixts.

containing

9008-22-4D, Laminarin, mixts. containing 10453-86-8D, Resmethrin, mixts.

containing 10605-21-7D, Carbendazim, mixts. containing 11141-17-6D,

Azadirachtin, mixts. containing 12057-74-8D, Magnesium phosphide, mixts.

containing 12071-83-9D, Propineb, mixts. containing 12427-38-2D, Maneb,

mixts.

containing 13194-48-4D, Ethoprophos, mixts. containing 13684-56-5D,

Desmedipham, mixts. containing 13684-63-4D, Phenmedipham, mixts. containing

13708-85-5D, Disodium phosphonate, mixts. containing 15165-67-0D,

Dichlorprop-P, mixts. containing 15302-91-7D, Mepiquat, mixts. containing

15545-48-9D, Chlorotoluron, mixts. containing 15845-66-6D, Fosetyl, mixts.

containing 16484-77-8D, Mecoprop-P, mixts. containing 16672-87-0D,

Ethephon,

mixts. containing 19666-30-9D, Oxadiazon, mixts. containing 21087-64-9D,

Metribuzin, mixts. containing 22224-92-6D, Fenamiphos, mixts. containing

22259-30-9D, Formetanate, mixts. containing 23031-36-9D, Prallethrin, mixts.

containing 23103-98-2D, Pirimicarb, mixts. containing 23135-22-0D, Oxamyl,

mixts. containing 23149-52-2D, Silver thiosulfate, mixts. containing

23564-05-8D, Thiophanate-methyl, mixts. containing 23950-58-5D, Propyzamide,

mixts. containing 24579-73-5D, Propamocarb, mixts. containing 25057-89-0D,

Bentazone, mixts. containing 26046-85-5D, mixts. containing 26225-79-6D,

Ethofumesate, mixts. containing 28434-01-7D, Bioresmethrin, mixts. containing 29232-93-7D, Pirimiphos-methyl, mixts. containing 34123-59-6D, Isoproturon, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35554-44-0D, Imazalil, mixts. containing 36734-19-7D, Iprodione, mixts. containing 39300-45-3D, Dinocap, mixts. containing 39515-40-7D, Cyphenothrin, mixts. containing 39515-41-8D, Fenpropathrin, mixts. containing 39807-15-3D, Oxadiargyl, mixts. containing 40487-42-1D, Pendimethalin, mixts. containing 40596-69-8D, Methoprene, mixts. containing 41394-05-2D, Metamitron, mixts. containing 42576-02-3D, Bifenox, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 51596-10-2D, Milbemectin, mixts. containing 51630-58-1D, Fenvalerate, mixts. containing 52315-07-8D, Cypermethrin, mixts. containing 52645-53-1D, Permethrin, mixts. containing 52888-80-9D, Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 53112-28-0D, Pyrimethanil, mixts. containing 54406-48-3D, Empenthrin, mixts. containing 55219-65-3D, Triadimenol, mixts. containing 55335-06-3D, Triclopyr, mixts. containing 55512-33-9D, Pyridate, mixts. containing 57018-04-9D, Tolclofos-methyl, mixts. containing 57960-19-7D, Acequinocyl, mixts. containing 57966-95-7D, Cymoxanil, mixts. containing 58769-20-3D, RU 15525, mixts. containing 60207-90-1D, Propiconazole, mixts. containing 63935-38-6D, Cycloprothrin, mixts. containing 64628-44-0D, Triflumuron, mixts. containing 64902-72-3D, Chlorsulfuron, mixts. containing 66215-27-8D, Cyromazine, mixts. containing 66230-04-4D, Esfenvalerate, mixts. containing 66246-88-6D, Penconazole, mixts. containing 66332-96-5D, Flutolanil, mixts. containing 66841-25-6D, Tralomethrin, mixts. containing 67129-08-2D, Metazachlor, mixts. containing 67233-85-6D, Sodium 5-nitroguaiacol, mixts. containing 67306-00-7D, Fenpropidin, mixts. containing 67375-30-8D, Alpha-Cypermethrin, mixts. containing 67564-91-4D, Fenpropimorph, mixts. containing 68085-85-8D, Cyhalothrin, mixts. containing 68359-37-5D, Beta-Cyfluthrin, mixts. containing 69327-76-0D, Buprofezin, mixts. containing 69377-81-7D, Fluroxypyr, mixts. containing 69770-45-2D, Flumethrin, mixts. containing 69806-34-4D, Haloxypop, mixts. containing 70124-77-5D, Flucythrinate, mixts. containing 70630-17-0D, Metalaxyl-M, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71626-11-4D, Benalaxyl, mixts. containing 71697-59-1D, Theta-Cypermethrin, mixts. containing 71751-41-2D, Abamectin, mixts. containing 72459-58-6D, Triazoxide, mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing 72963-72-5D, Imiprothrin, mixts. containing 73989-17-0D, Avermectin, derivs., mixts. containing 74070-46-5D, Aclonifen, mixts. containing 74115-24-5D, Clofentezine, mixts. containing 76703-62-3D, Gamma-cyhalothrin, mixts. containing 79277-67-1D, Thifensulfuron, mixts. containing 79510-48-8D, Metsulfuron, mixts. containing 79538-32-2D, Tefluthrin, mixts. containing 79622-59-6D, Fluazinam, mixts. containing 80844-07-1D, Etofenprox, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81777-89-1D, Clomazone, mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 83164-33-4D, Diflufenican, mixts. containing 85509-19-9D, Flusilazole, mixts. containing 86479-06-3D, Hexaflumuron, mixts. containing 87392-12-9D, S-Metolachlor, mixts. containing 87674-68-8D, Dimethenamid, mixts. containing 87820-88-0D, Tralkoxydim, mixts. containing 94051-08-8D, Quisalofof-P, mixts. containing 94125-34-5D, Prosulfuron, mixts. containing 95737-68-1D, Pyriproxyfen, mixts. containing 96525-23-4D, Flurtamone, mixts. containing 98243-83-5D, Benalaxyl-M, mixts. containing 98886-44-3D, Fosthiazate, mixts. containing 99105-77-8D, Sulcotrione, mixts. containing 99283-01-9D, Bensulfuron, mixts. containing 100784-20-1D, Halosulfuron methyl, mixts. containing 101007-06-1D, Acrinathrin, mixts. containing

101200-48-0D, Tribenuron-methyl, mixts. containing 101463-69-8D, Flufenoxuron, mixts. containing 102851-06-9D, Tau-Fluvalinate, mixts. containing 103055-07-8D, Lufenuron, mixts. containing 103361-09-7D, Flumioxazin, mixts. containing 104040-78-0D, Flazasulfuron, mixts. containing **104206-82-8D**, Mesotrione, mixts. containing 106700-29-2D, Pethoxamid, mixts. containing 107534-96-3D, Tebuconazole, mixts. containing 110235-47-7D, Mepanipyrim, mixts. containing 110488-70-5D, Dimethomorph, mixts. containing 111479-05-1D, Propaquizafop, mixts. containing 111988-49-9D, Thiacloprid, mixts. containing 111991-09-4D, Nicosulfuron, mixts. containing 112281-77-3D, Tetraconazole, mixts. containing 113036-88-7D, Flucycloxuron, mixts. containing 113136-77-9D, Cyclanilide, mixts. containing 113158-40-0D, Fenoxaprop-P, mixts. containing 113282-37-4D, Forchlorofenuron, mixts. containing 113614-08-7D, Beflubutamid, mixts. containing 114311-32-9D, Imazamox, mixts. containing 114420-56-3D, Clodinafop, mixts. containing 114797-39-6D, Methothrin, mixts. containing 116714-46-6D, Novaluron, mixts. containing 117428-22-5D, Picoxystrobin, mixts. containing 118134-30-8D, Spiroxamine, mixts. containing 118712-89-3D, Transfluthrin, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing 119446-68-3D, Difenconazole, mixts. containing 120068-37-3D, Fipronil, mixts. containing 120116-88-3D, Cyazofamid, mixts. containing 120162-55-2D, Azimsulfuron, mixts. containing 120923-37-7D, Amidosulfuron, mixts. containing 121451-02-3D, Noviflumuron, mixts. containing 121552-61-2D, Cyprodinil, mixts. containing 122008-85-9D, Cyhalofop-butyl, mixts. containing 122548-33-8D, Imazosulfuron, mixts. containing 122931-48-0D, Rimsulfuron, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing 124495-18-7D, Quinoxifen, mixts. containing 125116-23-6D, Metconazole, mixts. containing 125225-28-7D, Ipconazole, mixts. containing 125401-92-5D, Bispyribac sodium, mixts. containing 126801-58-9D, Ethoxysulfuron, mixts. containing 126833-17-8D, Fenhexamid, mixts. containing 127277-53-6D, Prohexadione-calcium, mixts. containing 128639-02-1D, Carfentrazone-ethyl, mixts. containing 129630-19-9D, Pyraflufen-ethyl, mixts. containing 131341-86-1D, Fludioxonil, mixts. containing 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin, mixts. containing 131983-72-7D, Triticonazole, mixts. containing 133855-98-8D, Epoxiconazole, mixts. containing 134098-61-6D, Fenpyroximate, mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 135990-29-3D, Triflurosulfuron, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138261-41-3, Imidacloprid 138261-41-3D, Imidacloprid, mixts. containing 139001-49-3D, Profoxydim, mixts. containing 139968-49-3D, Metaflumizone, mixts. containing 140923-17-7D, Iprovalicarb, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing 141517-21-7D, Trifloxystrobin, mixts. containing 141776-32-1D, Sulfosulfuron, mixts. containing RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (oil dispersions of nicotinic acetylcholine receptor binding neonicotinoids)

IT 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 143294-89-7D, Trinexapac, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts. containing 143807-66-3D, Chromafenozide, mixts. containing 144550-36-7D, Iodosulfuron-methyl sodium, mixts. containing 144651-06-9D, Oxasulfuron, mixts. containing 144740-53-4D, Flupyralsulfuron methyl, mixts. containing 145026-81-9D, Propoxycarbazone, mixts. containing 145701-23-1D, Florasulam, mixts. containing 148477-71-8D, Spirodiclofen, mixts. containing 149877-41-8D, Bifenazate, mixts. containing 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxydim, mixts. containing

150114-71-9D, Aminopyralid, mixts. containing 150824-47-8D, Nitenpyram, mixts. containing 153233-91-1D, Etoxazole, mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing 155569-91-8D, Emamectin benzoate, mixts. containing 156052-68-5D, Zoxamide, mixts. containing

158062-67-0D, Flonicamid, mixts. containing 160791-64-0D, ZXI 8901, mixts. containing 161050-58-4D, Methoxyfenozide, mixts. containing 161326-34-7D, Fenamidone, mixts. containing 162320-67-4D, SZI-121, mixts. containing 168316-95-8D, Spinosad, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 173584-44-6D, Indoxacarb, mixts. containing 175013-18-0D, Pyraclostrobin, mixts. containing 175217-20-6D, Silthiofam, mixts. containing 178928-70-6D, Prothioconazole, mixts. containing 179101-81-6D, Pyridalyl, mixts. containing 180409-60-3D, Cyflufenamid, mixts. containing

181587-01-9D, Ethiprole, mixts. containing 184170-17-0, Imidacloprid-lufenuron mixture 188425-85-6D, Boscalid, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 201593-84-2D, Bistrifluron, mixts. containing 203313-25-1D, Spirotetramat, mixts. containing 210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 213464-77-8D, Orthosulfamuron, mixts. containing 219714-96-2D, Penoxsulam, mixts. containing 220899-03-6D, Metrafenone, mixts. containing 239110-15-7D, Fluopicolide, mixts. containing 243973-20-8D, Pinoxaden, mixts. containing 272451-65-7D, Flubendiamide, mixts. containing 283159-90-0D, Valiphenal, mixts. containing 283594-90-1D, Spiromesifen, mixts. containing 335104-84-2D, Tembotrione, mixts. containing 348635-87-0D, Amisulbrom, mixts. containing 361377-29-9D, Fluoxastrobin, mixts. containing 374726-62-2D, Mandipropamid, mixts. containing

400852-66-6D, Mesosulfuron, mixts. containing 413615-35-7D, Benthiavalicarb, mixts. containing

422556-08-9D, Pyroxsulam, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 548460-64-6D, mixts. containing 841243-63-8, Imidacloprid- λ -cyhalothrin mixture 841243-64-9, Imidacloprid-deltamethrin mixture 870721-81-6D, Heptamaloxyloglucan, mixts. containing 935545-74-7D, Spinetoram, mixts. containing 936331-72-5D, Thiencarbazone, mixts. containing 1243641-23-7D, FEN 560, mixts. containing RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (oil dispersions of nicotinic acetylcholine receptor binding neonicotinoids)

AB Selective insect neonicotinoids is a class of pesticide active ingredients that share some characteristics in their chemical structures and bind to the nAChR acetylcholine receptors. Formulation of such compds. in oil suspension or oil dispersion is challenging due to their electrostatic interactions of the heteroatoms in oily media, that lead to irreversible flocculation or diminished homogeneity and bleeding of such oil dispersions. Imidacloprid, Thiamethoxam, Thiachloprid, Nitenpyram, Acetamiprid, Clothianidin and Dinetofuran and derivs. thereof with nAChR binding ability are successfully formulated in oil suspension with the use of certain copolymeric anionic fatty-acid based dispersants, sorbitan derivs., ionic surfactants, other non-ionic surfactants and inorg. polyvalent cationic salt dispersed in the oil. The formulations produced this way show excellent storage stability properties regarding physiochem. parameters, including stability of the neonicotinoid active ingredient, reduced bleeding, and complete redispersibility. Further, they show excellent biol. efficacy due to the reduced and homogeneous particle size below 2 μ m when diluted and emulsified in water.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:777615 CAPLUS

DOCUMENT NUMBER: 153:108215

TITLE: Synergistic fungicidal mixtures containing

3-(4-tert-butyl-phenyl)-3-(2-chloro-pyridin-4-yl)-1-morpholin-4-yl-propenone and at least one further active compound

INVENTOR(S): Gewehr, Markus; Dietz, Jochen; Grote, Thomas; Jabs, Thorsten; Haden, Egon
PATENT ASSIGNEE(S): BASF SE, Germany
SOURCE: PCT Int. Appl., 45pp.
 CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2010069763	A2	20100624	WO 2009-EP66190	20091202

W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: EP 2008-171846 A 20081216
 EP 2008-172603 A 20081222

IT 51-03-6D, Piperonyl butoxide, mixts. containing 52-51-7D, Bronopol, mixts. containing 52-68-6D, Trichlorfon, mixts. containing 55-38-9D, Fenthion, mixts. containing 56-38-2D, Parathion, mixts. containing 57-92-1D, Streptomycin, mixts. containing 60-51-5D, Dimethoate, mixts. containing 61-82-5D, 1H-1,2,4-Triazol-5-amine, mixts. containing 62-73-7D, Dichlorvos, mixts. containing 63-25-2D, Carbaryl, mixts. containing 67-48-1D, Choline chloride, mixts. containing 76-87-9D, Fentin hydroxide, mixts. containing 77-06-5D, Gibberellic acid, mixts. containing 78-48-8D, mixts. containing 79-57-2D, Oxytetracyclin, mixts. containing 82-68-8D, Quintozene, mixts. containing 86-50-0D, Azinphos-methyl, mixts. containing 86-87-3D, Naphthaleneacetic acid, mixts. containing 87-51-4D, Indole-3-acetic acid, mixts. containing 87-86-5D, Pentachlorophenol, mixts. containing 88-82-4D, 2,3,5-Triiodobenzoic acid, mixts. containing 92-52-4D, Biphenyl, mixts. containing 93-65-2D, Mecoprop, mixts. containing 94-74-6D, MCPA, mixts. containing 94-75-7D, 2,4-Dichlorophenoxyacetic acid, mixts. containing 94-81-5D, MCPB, mixts. containing 94-82-6D, 2,4-DB, mixts. containing 97-23-4D, Dichlorophen, mixts. containing 101-05-3D, Anilazin, mixts. containing 108-48-5D, 2,6-Dimethylpyridine, mixts. containing 112-65-2D, Dodine free base, mixts. containing 113-00-8D, Guanidine, mixts. containing 114-26-1D, Propoxur, mixts. containing 115-29-7D, Endosulfan, mixts. containing 116-06-3D, Aldicarb, mixts. containing 117-18-0D, Tecnazen, mixts. containing 118-74-1D, Hexachlorobenzene, mixts. containing 120-36-5D, Dichlorprop, mixts. containing 121-21-1D, Pyrethrin I, mixts. containing 121-29-9D, Pyrethrin II, mixts. containing 121-75-5D, Malathion, mixts. containing 122-14-5D, Fenitrothion, mixts. containing 122-34-9D, Simazine, mixts. containing 122-39-4D, Diphenylamine, mixts. containing 123-33-1D, Maleic hydrazide, mixts. containing

124-58-3D, Methyl arsonic acid, mixts. containing 132-66-1D, Naptalam, mixts. containing 133-06-2D, Captan, mixts. containing 133-07-3D, Folpet, mixts. containing 137-26-8D, Thiram, mixts. containing 137-30-4D, Ziram, mixts. containing 141-66-2D, Dicrotophos, mixts. containing 142-71-2D,

Copper

acetate, mixts. containing 144-54-7D, Metam, mixts. containing 145-73-3D, mixts. containing 148-79-8D, Thiabendazole, mixts. containing 298-00-0D, Methyl-parathion, mixts. containing 298-02-2D, Phorate, mixts. containing 298-04-4D, Disulfoton, mixts. containing 301-12-2D, Oxydemeton-methyl, mixts. containing 311-45-5D, Paraoxon, mixts. containing 314-40-9D,

Bromacil,

mixts. containing 330-54-1D, Diuron, mixts. containing 330-55-2D, Linuron, mixts. containing 333-41-5D, Diazinon, mixts. containing 470-90-6D, Chlorfenvinphos, mixts. containing 485-31-4D, Binapacryl, mixts. containing 501-82-6D, mixts. containing 533-74-4D, Dazomet, mixts. containing

563-12-2D,

Ethion, mixts. containing 584-79-2D, Allethrin, mixts. containing

639-58-7D,

Fentin chloride, mixts. containing 709-98-8D, Propanil, mixts. containing 731-27-1D, Tolyfluanid, mixts. containing 732-11-6D, Phosmet, mixts.

containing

759-94-4D, Eptam, mixts. containing 834-12-8D, Ametryn, mixts. containing 886-50-0D, Terbutryn, mixts. containing 900-95-8D, Fentin acetate, mixts. containing 950-37-8D, Methidathion, mixts. containing 973-21-7D, Dinobuton, mixts. containing 999-81-5D, (Chlormequat chloride), mixts. containing 1071-83-6D, Glyphosate, mixts. containing 1085-98-9D, Dichlofluanid, mixts. containing 1194-65-6D, Dichlobenil, mixts. containing 1214-39-7D, 6-Benzylaminopurine, mixts. containing 1332-40-7D, Copper oxychloride, mixts. containing 1344-69-0D, Copper hydroxide, mixts. containing

1344-73-6D,

Basic copper sulfate, mixts. containing 1563-66-2D, Carbofuran, mixts. containing 1582-09-8D, Trifluralin, mixts. containing 1593-77-7D,

Dodemorph,

mixts. containing 1596-84-5D, Daminozide, mixts. containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D, Bromoxynil, mixts. containing 1698-60-8D, Chloridazon, mixts. containing 1702-17-6D, Clopyralid, mixts. containing 1861-40-1D, Benfluralin, mixts. containing 1897-45-6D, Chlorothalonil, mixts. containing 1910-42-5D, Paraquat, mixts. containing 1912-24-9D, Atrazine, mixts. containing 1918-00-9D, Dicamba, mixts.

containing

1918-02-1D, Picloram, mixts. containing 1918-16-7D, Propachlor, mixts. containing 1929-82-4D, Nitrapyrin, mixts. containing 2008-41-5D, Butylate, mixts. containing 2032-65-7D, Methiocarb, mixts. containing 2079-00-7D, Blasticidin-S, mixts. containing 2136-79-0D, Chlorthal, mixts. containing 2164-08-1D, Lenacil, mixts. containing 2164-17-2D, Fluometuron, mixts. containing 2212-67-1D, Molinate, mixts. containing 2303-17-5D, Triallate, mixts. containing 2310-17-0D, Phosalone, mixts. containing 2312-35-8D, Propargite, mixts. containing 2425-06-1D, Captafol, mixts. containing 2439-01-2D, Chinomethionat, mixts. containing 2439-10-3D, Dodine, mixts. containing 2593-15-9D, Etridiazole, mixts. containing 2597-03-7D,

Phenthoate,

mixts. containing 2764-72-9D, Diquat, mixts. containing 2797-51-5D, Quinoclamine, mixts. containing **2921-88-2D**, Chlorpyrifos, mixts. containing 3337-71-1D, Asulam, mixts. containing 3347-22-6D, Dithianon,

mixts.

containing 3478-94-2D, Piperalin, mixts. containing 3813-05-6D, Benazolin, mixts. containing 3878-19-1D, Fuberidazole, mixts. containing 5234-68-4D, Carboxin, mixts. containing 5259-88-1D, Oxycarboxin, mixts. containing **5598-13-0D**, Chlorpyrifos-methyl, mixts. containing 5902-51-2D, Terbacil, mixts. containing 5915-41-3D, Terbutylazine, mixts. containing 6923-22-4D, Monocrotophos, mixts. containing 6980-18-3D, Kasugamycin, mixts. containing 7287-19-6D, Prometryn, mixts. containing 7440-50-8D, Copper,

mixts.

containing 7696-12-0D, Tetramethrin, mixts. containing 7704-34-9D, Sulfur, mixts. containing 7786-34-7D, Mevinphos, mixts. containing 8011-63-0D, Bordeaux mixture, mixts. containing 8018-01-7D, Mancozeb, mixts. containing 9006-42-2D, Metiram, mixts. containing 10004-44-1D, Hymexazole, mixts. containing 10265-92-6D, Methamidophos, mixts. containing 10380-28-6D, Oxine-copper, mixts. containing 10453-86-8D, Resmethrin, mixts. containing 10552-74-6D, Nitrothal-isopropyl, mixts. containing 10605-21-7D, Carbendazim, mixts. containing 11141-17-6D, Azadirachtin, mixts. containing 12071-83-9D, Propineb, mixts. containing 12122-67-7D, Zineb, mixts.

containing

12427-38-2D, Maneb, mixts. containing 12771-68-5D, Ancymidol, mixts.

containing

13071-79-9D, Terbufos, mixts. containing 13108-52-6D, 2,3,5,6-Tetrachloro-4-methanesulfonylpyridine, mixts. containing 13121-70-5D, Cyhexatin, mixts. containing 13171-21-6D, Phosphamidon, mixts. containing 13356-08-6D, Fenbutatin oxide, mixts. containing 13457-18-6D, Pyrazophos, mixts. containing 13516-27-3D, Iminoctadine, mixts. containing 13598-36-2D, Phosphorous acid, mixts. containing, biological studies 13684-56-5D, Desmedipham, mixts. containing 13684-63-4D, Phenmedipham, mixts. containing 14484-64-1D, Ferbam, mixts. containing 14698-29-4D,

Oxolinic

acid, mixts. containing 14816-18-3D, Phoxim, mixts. containing 15263-53-3D, Cartap, mixts. containing 15299-99-7D, Napropamide, mixts. containing 15310-01-7D, Benodanil, mixts. containing 15545-48-9D, Chlorotoluron, mixts. containing 15845-66-6D, Fosetyl, mixts. containing 15972-60-8D, Alachlor, mixts. containing 16118-49-3D, Carbetamide, mixts. containing 16672-87-0D, Ethephon, mixts. containing 16752-77-5D, Methomyl, mixts. containing 17109-49-8D, Edifenphos, mixts. containing 17804-35-2D, Benomyl, mixts. containing 17824-85-0D, 3,4,5-Tri-chloropyridine-2,6-dicarbonitrile, mixts. containing 18691-97-9D, Methabenzthiazuron, mixts. containing 18854-01-8D, Isoxathion, mixts. containing 19044-88-3D, Oryzalin, mixts. containing 19666-30-9D, Oxadiazon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing 21293-29-8D, Absciscic acid, mixts. containing 21452-14-2D, 2-Amino-4-methylthiazole-5-carboxanilide, mixts. containing 21725-46-2D, Cyanazine, mixts. containing 22248-79-9D, Tetrachlorvinphos, mixts.

containing

22781-23-3D, Bendiocarb, mixts. containing 22936-75-0D, Dimethametryn, mixts. containing 22976-87-0D, Polyoxine, mixts. containing 23031-36-9D, Prallethrin, mixts. containing 23103-98-2D, Pirimicarb, mixts. containing 23135-22-0D, Oxamyl, mixts. containing 23184-66-9D, Butachlor, mixts.

containing

23564-05-8D, Thiophanate-methyl, mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24017-47-8D, Triazophos, mixts. containing 24307-26-4D, (Mepiquat chloride), mixts. containing 24579-73-5D, Propamocarb, mixts. containing 24691-80-3D, Fenfuram, mixts. containing 25057-89-0D, Bentazone, mixts. containing 25319-90-8D, MCPA-thioethyl, mixts. containing

25606-41-1D,

Propamocarb hydrochloride, mixts. containing 26087-47-8D, Iprobenfos, mixts. containing 26225-79-6D, Ethofumesate, mixts. containing 26530-20-1D, Octhilinone, mixts. containing 26644-46-2D, Triforine, mixts. containing 27314-13-2D, Norflurazon, mixts. containing 27355-22-2D, Phthalide, mixts. containing 27605-76-1D, Probenazole, mixts. containing 28249-77-6D, Thiobencarb, mixts. containing 29091-21-2D, Prodiamine, mixts. containing 29232-93-7D, Pirimiphos-methyl, mixts. containing 30560-19-1D, Acephate, mixts. containing 31717-87-0D, Dodemorph-acetate, mixts. containing 31895-21-3D, Thiocyclam, mixts. containing 32809-16-8D, Procymidone, mixts. containing 33629-47-9D, Butralin, mixts. containing 34014-18-1D,

Tebuthiuron,

mixts. containing 34123-59-6D, Isoproturon, mixts. containing 34256-82-1D, Acetochlor, mixts. containing 34622-58-7D, Orbencarb, mixts. containing 34643-46-4D, Prothiofos, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35400-43-2D, Sulprophos, mixts. containing 35554-44-0D,

Imazalil, mixts. containing 35575-96-3D, Azamethiphos, mixts. containing 35597-43-4D, Bilanafos, mixts. containing 36335-67-8D, Butamifos, mixts. containing 36734-19-7D, Iprodione, mixts. containing 37248-47-8D,

Validamycin
 A, mixts. containing 39148-24-8D, Fosetyl-aluminum, mixts. containing 39300-45-3D, Dinocap, mixts. containing 39515-40-7D, Cyphenothrin, mixts. containing 39515-41-8D, Fenpropathrin, mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal mixts. containing butylphenylchloropyridinyl morpholinyl propenone and at least one further active compound)

IT 39807-15-3D, Oxadiargyl, mixts. containing 40164-67-8D, Amidochlor, mixts. containing 40487-42-1D, Pendimethalin, mixts. containing 40596-69-8D, Methoprene, mixts. containing 40843-25-2D, Diclofop, mixts. containing 41198-08-7D, Profenofos, mixts. containing 41205-21-4D, Fluoroimide, mixts. containing 41394-05-2D, Metamitron, mixts. containing 41483-43-6D,

Bupirimate,
 mixts. containing 41814-78-2D, Tricyclazole, mixts. containing 42576-02-3D, Bifenox, mixts. containing 42609-52-9D, Daimuron, mixts. containing 42874-03-3D, Oxyfluorfen, mixts. containing 43121-43-3D, Triadimefon, mixts. containing 43222-48-6D, Difenzoquat-methyl sulfate, mixts. containing 49866-87-7D, Difenzoquat, mixts. containing 50471-44-8D, Vinclozolin, mixts. containing 50512-35-1D, Isoprothiolane, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing 50594-66-6D, Acifluorfen, mixts. containing 51218-45-2D, Metolachlor, mixts. containing 51218-49-6D, Pretilachlor, mixts. containing 51235-04-2D, Hexazinone, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 51596-10-2D, Milbemectin, mixts. containing 51630-58-1D, Fenvalerate, mixts. containing 51707-55-2D, Thidiazuron, mixts. containing 52315-07-8D, Beta-cypermethrin, mixts. containing 52508-35-7D, mixts. containing 52570-16-8D, Naproanilide, mixts. containing 52645-53-1D, Permethrin, mixts. containing 52888-80-9D, Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 53112-28-0D, Pyrimethanil, mixts. containing 53780-34-0D, Mefluidide, mixts. containing 55179-31-2D, Bitertanol, mixts. containing 55219-65-3D, Triadimenol, mixts. containing 55283-68-6D, Ethalfluralin, mixts. containing 55285-14-8D, Carbosulfan, mixts. containing 55290-64-7D, Dimethipin, mixts. containing 55512-33-9D, Pyridate, mixts. containing 55814-41-0D, Mepronil, mixts. containing 56425-91-3D, Flurprimidol, mixts. containing 57018-04-9D, Tolclofos-methyl, mixts. containing 57369-32-1D, Pyroquilon, mixts. containing 57520-17-9D, Iminoctadine-triacetate, mixts. containing 57837-19-1D, Metalaxyl, mixts. containing 57960-19-7D, Acequinocyl, mixts. containing 57966-95-7D,

Cymoxanil,
 mixts. containing 58011-68-0D, Pyrazolynate, mixts. containing 58810-48-3D, Ofurace, mixts. containing 59669-26-0D, Thiodicarb, mixts. containing 59756-60-4D, Fluridone, mixts. containing 60168-88-9D, Fenarimol, mixts. containing 60207-31-0D, Azaconazole, mixts. containing 60207-90-1D, Propiconazole, mixts. containing 61213-25-0D, Flurochloridone, mixts. containing

61432-55-1D, Dimepiperate, mixts. containing 62732-91-6D, Debacarb, mixts. containing 62865-36-5D, Diclomezine, mixts. containing 62924-70-3D, Flumetralin, mixts. containing 63284-71-9D, Nuarimol, mixts. containing 63837-33-2D, Diofenolan, mixts. containing 64249-01-0D, Anilofos, mixts. containing 64529-56-2D, Ethiozin, mixts. containing 64628-44-0D,

Triflumuron,
 mixts. containing 64902-72-3D, Chlorsulfuron, mixts. containing

65907-30-4D,
 Furathiocarb, mixts. containing 66063-05-6D, Pencycuron, mixts. containing 66215-27-8D, Cyromazine, mixts. containing 66230-04-4D, Esfenvalerate, mixts. containing 66246-88-6D, Penconazole, mixts. containing 66332-96-5D, Flutolanil, mixts. containing 66841-25-6D, Tralomethrin, mixts. containing 66952-49-6D, Methasulfocarb, mixts. containing 67129-08-2D, Metazachlor, mixts. containing 67306-00-7D, Fenpropidin, mixts. containing 67375-30-8D, Alpha-cypermethrin, mixts. containing 67485-29-4D, Hydramethylnon, mixts.

containing 67527-71-3D, Mildiomycin, mixts. containing 67564-91-4D, Fenpropimorph, mixts. containing 67747-09-5D, Prochloraz, mixts. containing 68085-85-8D, Cyhalothrin, mixts. containing 68157-60-8D, Forchlorfenuron, mixts. containing 68359-37-5D, Cyfluthrin, mixts. containing 68505-69-1D, Benfuresate, mixts. containing 68694-11-1D, Triflumizol, mixts. containing 69327-76-0D, Buprofezin, mixts. containing 69335-91-7D, Fluazifop, mixts. containing 69377-81-7D, Fluroxypyr, mixts. containing 69806-34-4D,

Haloxyfop, mixts. containing 70630-17-0D, Metalaxyl-M, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71561-11-0D, Pyrazoxyfen, mixts. containing 71626-11-4D, Benalaxyl, mixts. containing 71751-41-2D, Abamectin, mixts. containing 72178-02-0D, Fomesafen, mixts. containing 72459-58-6D,

Triazoxide, mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing 72962-43-7D, Brassinolide, mixts. containing 72963-72-5D, Imiprothrin, mixts. containing 73250-68-7D, Mefenacet, mixts. containing 74051-80-2D, Sethoxydim, mixts. containing 74070-46-5D, Aclonifen, mixts. containing 74115-24-5D, Clofentezine, mixts. containing 74223-56-6D, Sulfometuron, mixts. containing 74223-64-6D, Metsulfuron-methyl, mixts. containing 74712-19-9D, Bromobutide, mixts. containing 74738-17-3D, Fenpiclonil, mixts. containing 76280-91-6D, Tecloftalam, mixts. containing 76578-12-6D, Quizalofop, mixts. containing 76608-88-3D, Triapenthenol, mixts. containing 76674-21-0D, Flutriafol, mixts. containing 76738-62-0D, mixts. containing 77501-63-4D, Lactofen,

mixts. containing 77732-09-3D, Oxadixyl, mixts. containing 78587-05-0D,

Hexythiazox, mixts. containing 79277-67-1D, Thifensulfuron, mixts. containing **79538-32-2D**, Tefluthrin, mixts. containing 79540-50-4D, Etobenzanid, mixts. containing 79622-59-6D, Fluazinam, mixts. containing 79983-71-4D, Hexaconazole, mixts. containing 80060-09-9D, Diafenthiuron, mixts. containing 80844-07-1D, Etofenprox, mixts. containing 81334-34-1D, Imazapyr, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81335-77-5D,

Imazethapyr, mixts. containing 81412-43-3D, Tridemorph, mixts. containing 81591-81-3D, Sulfosate, mixts. containing 81777-89-1D, Clomazone, mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82211-24-3D, Inabenfide, mixts. containing 82558-50-7D, Isoxaben, mixts. containing 82560-54-1D,

Benfuracarb, mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 82692-44-2D, Benzofenap, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 83130-01-2D, Alanycarb, mixts. containing 83164-33-4D, Diflufenican, mixts. containing 83657-18-5D, Diniconazole-M, mixts. containing 83657-22-1D, Uniconazole, mixts. containing 83657-24-3D, Diniconazole, mixts. containing 84087-01-4D, Quinclorac, mixts. containing 84466-05-7D, Amidoflumet, mixts. containing 84496-56-0D, Clomeprop, mixts. containing 85509-19-9D,

Flusilazole, mixts. containing 85785-20-2D, Esprocarb, mixts. containing 85841-37-8D, mixts. containing 86479-06-3D, Hexaflumuron, mixts. containing 86598-92-7D, Imibenconazole, mixts. containing 87130-20-9D, Diethofencarb, mixts.

containing 87546-18-7D, Flumiclorac-pentyl, mixts. containing 87674-68-8D, Dimethenamid, mixts. containing 87818-31-3D, Cinmethylin, mixts. containing 87820-88-0D, Tralkoxydim, mixts. containing 88283-41-4D, Pyrifenox, mixts. containing 88671-89-0D, Myclobutanil, mixts. containing 88678-67-5D, Pyributicarb, mixts. containing 89269-64-7D, Ferimzone, mixts. containing 89583-90-4D, Benclonthiaz, mixts. containing 90717-03-6D, Quinmerac, mixts. containing 90982-32-4D, Chlorimuron-ethyl, mixts. containing 91315-15-0D, Aldimorph, mixts. containing 94125-34-5D, Prosulfuron, mixts. containing 94361-06-5D, Cyproconazole, mixts. containing 94593-91-6D, Cinosulfuron, mixts. containing 95266-40-3D, Trinexapac-ethyl, mixts. containing 95617-09-7D, Fenoxaprop, mixts. containing 95737-68-1D, Pyriproxyfen, mixts. containing 96489-71-3D, Pyridaben, mixts. containing 96491-05-3D,

Thenylchlor,

mixts. containing 96525-23-4D, Flurtamone, mixts. containing 97228-52-9D,
 5-Methyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing
 97886-45-8D, Dithiopyr, mixts. containing 98243-83-5D, Benalaxyl-M, mixts.
 containing 98389-04-9D, Pyrazosulfuron, mixts. containing 98967-40-9D,
 Flumetsulam, mixts. containing 99105-77-8D, Sulcotrione, mixts. containing
 99129-21-2D, Clethodim, mixts. containing 99283-01-9D, Bensulfuron, mixts.
 containing 99485-76-4D, Cumyluron, mixts. containing 100728-84-5D,
 Imazamethabenz, mixts. containing 101205-02-1D, Cycloxydim, mixts. containing
 101463-69-8D, Flufenoxuron, mixts. containing 101903-30-4D, Pefurazoate,
 mixts. containing 102851-06-9D, Tau-fluvalinate, mixts. containing
 103055-07-8D, Lufenuron, mixts. containing 103361-09-7D, Flumioxazin, mixts.
 containing 104030-54-8D, Carpropamid, mixts. containing 104040-78-0D,
 Flazasulfuron, mixts. containing 104098-48-8D, Imazapic, mixts. containing
104206-82-8D, Mesotrione, mixts. containing 105024-66-6D,
 Silafluofen, mixts. containing 106040-48-6D, Tribenuron, mixts. containing
 106700-29-2D, Pethoxamid, mixts. containing 106917-52-6D, Flusulfamide,
 mixts. containing 107534-96-3D, Tebuconazole, mixts. containing
 108173-90-6D,
 Guazatine, mixts. containing 109293-97-2D, Diflufenzopyr, mixts. containing
 110488-70-5D, Dimethomorph, mixts. containing 110956-75-7D, Pentoxazone,
 mixts. containing 111479-05-1D, Propaquizafop, mixts. containing
 111988-49-9D,
 Thiachloprid, mixts. containing 111991-09-4D, Nicosulfuron, mixts. containing
 112143-82-5D, Triazamate, mixts. containing 112226-61-6D, Halofenozide,
 mixts. containing 112281-77-3D, Tetraconazole, mixts. containing
 112410-23-8D,
 Tebufenozide, mixts. containing 112860-04-5D, mixts. containing
 113036-87-6D,
 Primisulfuron, mixts. containing 113036-88-7D, Flucycloxuron, mixts.
 containing
 113136-77-9D, Cyclanilide, mixts. containing 113614-08-7D, Beflubutamid,
 mixts. containing 114311-32-9D, Imazamox, mixts. containing 114369-43-6D,
 Fenbuconazole, mixts. containing 114420-56-3D, Clodinafop, mixts. containing
 115044-19-4D, Guazatine-acetate, mixts. containing 115852-48-7D, Fenoxanil,
 mixts. containing 116255-48-2D, Bromuconazole, mixts. containing
 116714-46-6D,
 Novaluron, mixts. containing 117428-22-5D, Picoxystrobin, mixts. containing
 117718-60-2D, Thiazopyr, mixts. containing 118134-30-8D, Spiroxamine, mixts.
 containing 118712-89-3D, Transfluthrin, mixts. containing 119126-15-7D,
 Flupoxam, mixts. containing 119168-77-3D, Tebufenpyrad, mixts. containing
 119446-68-3D, Difenoconazole, mixts. containing 119791-41-2D, Emamectin,
 mixts. containing 119899-14-8D, 2-Chloro-N-(1,1,3-trimethylindan-4-
 yl)nicotinamide, mixts. containing 120068-37-3D, Fipronil, mixts. containing
 120116-88-3D, Cyazofamid, mixts. containing 120162-55-2D, Azimsulfuron,
 mixts. containing 120923-37-7D, Amidosulfuron, mixts. containing
 120928-09-8D,
 Fenazaquin, mixts. containing 121552-61-2D, Cyprodinil, mixts. containing
 122008-85-9D, Cyhalofop-butyl, mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic fungicidal mixts. containing butylphenylchloropyridinyl
 morpholinyl propenone and at least one further active compound)
 IT 122431-24-7D, Flupyrazofos, mixts. containing 122453-73-0D, Chlorfenapyr,
 mixts. containing 122548-33-8D, Imazosulfuron, mixts. containing
 122836-35-5D,
 Sulfentrazone, mixts. containing 122931-48-0D, Rimsulfuron, mixts. containing
 123312-89-0D, Pymetrozine, mixts. containing 123342-93-8D, Pyriithiobac,
 mixts. containing 123572-88-3D, Furametypr, mixts. containing 124495-18-7D,
 Quinoxifen, mixts. containing 125116-23-6D, Metconazole, mixts. containing
 125225-28-7D, Ipconazole, mixts. containing 125306-83-4D, Cafenstrole,
 mixts. containing 125401-92-5D, Bispyribac-sodium, mixts. containing
 126801-58-9D, Ethoxysulfuron, mixts. containing 126833-17-8D, Fenhexamid,
 mixts. containing 127277-53-6D, Prohexadione-calcium, mixts. containing

128621-72-7D, Carfentrazone, mixts. containing 129558-76-5D, Tolfenpyrad,
 mixts. containing 129630-19-9D, Pyraflufen-ethyl, mixts. containing
 129909-90-6D, Amicarbazone, mixts. containing 130000-40-7D, Thifluzamide,
 mixts. containing 130339-07-0D, Diflumetorim, mixts. containing
 131475-57-5D,
 Triaziflam, mixts. containing 131807-57-3D, Famoxadone, mixts. containing
 131860-33-8D, Azoxystrobin, mixts. containing 131983-72-7D, Triticonazole,
 mixts. containing 133220-30-1D, Indanofan, mixts. containing 133408-50-1D,
 Metominostrobin, mixts. containing 133855-98-8D, Epoxiconazole, mixts.
 containing 134074-64-9D, Oxpoconazole, mixts. containing 134605-64-4D,
 Butafenacil, mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts.
 containing 135186-78-6D, Pyriftalid, mixts. containing 135397-30-7D,
 Halosulfuron, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing
 135990-29-3D, Triflusulfuron, mixts. containing 136426-54-5D,
 Fluquinconazole, mixts. containing 136516-19-3D, mixts. containing
 136849-15-5D, Cyclosulfamuron, mixts. containing 137641-05-5D, Picolinafen,
 mixts. containing 138164-12-2D, Butoxydim, mixts. containing 138261-41-3D,
 Imidacloprid, mixts. containing 139001-49-3D, Profoxydim, mixts. containing
 139528-85-1D, Metosulam, mixts. containing 139920-32-4D, Diclocymet, mixts.
 containing 139968-49-3D, Metaflumizone, mixts. containing 140163-89-9D,
 Imicyafos, mixts. containing 140923-17-7D, Iprovalicarb, mixts. containing
 141112-29-0D, Isoxaflutole, mixts. containing 141517-21-7D, Trifloxystrobin,
 mixts. containing 141776-32-1D, Sulfosulfuron, mixts. containing
 142459-58-3D,
 Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing
 142891-20-1D, Cinidon-ethyl, mixts. containing 143390-89-0D,
 Kresoxim-methyl, mixts. containing 144651-06-9D, Oxasulfuron, mixts.
 containing
 145026-81-9D, Propoxycarbazine, mixts. containing 145026-88-6D,
 Flucarbazone, mixts. containing 145099-21-4D, Trifloxysulfuron, mixts.
 containing 145701-21-9D, Diclosulam, mixts. containing 145701-23-1D,
 Florasulam, mixts. containing 145767-97-1D, Vaniliprole, mixts. containing
 147150-35-4D, Cloransulam-methyl, mixts. containing 147411-69-6D,
 Pyriminobac-methyl, mixts. containing 148477-71-8D, Spirodiclofen, mixts.
 containing 149253-65-6D, Fluthiacet, mixts. containing 149508-90-7D,
 Simeconazole, mixts. containing 149877-41-8D, Bifenazate, mixts. containing
 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxym,
 mixts. containing 150114-71-9D, Aminopyralid, mixts. containing
 150315-10-9D,
 Flupyrsulfuron, mixts. containing 150824-47-8D, Nitenpyram, mixts. containing
 153197-14-9D, Oxaziclomefone, mixts. containing 153233-91-1D, Etoazole,
 mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing
 154025-04-4D, Flumetover, mixts. containing 156052-68-5D, Zoxamide, mixts.
 containing 156963-66-5D, Benzobicyclon, mixts. containing 158062-67-0D,
 Flonicamid, mixts. containing 158237-07-1D, Fentrazamide, mixts. containing
 158353-15-2D, Pyraclonil, mixts. containing 161050-58-4D, Methoxyfenozide,
 mixts. containing 161326-34-7D, Fenamidone, mixts. containing 162650-77-3D,
 Ethaboxam, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing
 168088-61-7D, Pyribenzoxim, mixts. containing 168316-95-8D, Spinosad, mixts.
 containing 169202-06-6D, Iminoctadine-tris(albesilate), mixts. containing
 170015-32-4D, Flufenimer, mixts. containing 173159-57-4D, Foramsulfuron,
 mixts. containing 173584-44-6D, Indoxacarb, mixts. containing 173980-17-1D,
 Bencarbazone, mixts. containing 175013-18-0D, Pyraclostrobin, mixts.
 containing
 175217-20-6D, Silthiofam, mixts. containing 178602-66-9D, Prohydrojasmon,
 mixts. containing 178928-70-6D, Prothioconazole, mixts. containing
 179101-81-6D, Pyridalyl, mixts. containing 180409-60-3D, Cyflufenamid,
 mixts. containing 181587-01-9D, Ethiprole, mixts. containing 185119-76-0D,
 Iodosulfuron, mixts. containing 188425-85-6D, Boscalid, mixts. containing
 188489-07-8D, Flufenpyr-ethyl, mixts. containing 188634-90-4D, Ethoxyfen,
 mixts. containing 189278-12-4D, Proquinazid, mixts. containing
 189873-26-5D,

mixts. containing 200132-83-8D, Kasugamycin hydrochloride-hydrate, mixts.
 containing 200509-41-7D, Quizalofop-P-tefuryl, mixts. containing
 201593-84-2D,
 Bistrifluron, mixts. containing 203313-25-1D, Spirotetramat, mixts.
 containing
 210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin,
 mixts. containing 211867-47-9D, Flumorph, mixts. containing 213464-77-8D,
 Ortho-sulfamuron, mixts. containing 214706-53-3D,
 5-Chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-
 trifluorophenyl) [1,2,4]triazolo[1,5-a]pyrimidine, mixts. containing
 219714-96-2D, Penoxsulam, mixts. containing 220899-03-6D, Metrafenone,
 mixts. containing 221201-92-9D, N-[Cyclopropylmethoxyimino(6-difluoromethoxy-
 2,3-difluorophenyl)methyl]-2-phenylacetamide, mixts. containing
 221205-90-9D, Pyrimisulfan, mixts. containing 221667-31-8D, Cyprosulfamide,
 mixts. containing 223419-20-3D, Profluthrin, mixts. containing
 223580-51-6D,
 Tiadinil, mixts. containing 224049-04-1D, Isotianil, mixts. containing
 226551-21-9D, N-(3-Ethyl-3,5,5-trimethylcyclohexyl)-3-formylamino-2-
 hydroxybenzamide, mixts. containing 229977-93-9D, Fluacrypyrim, mixts.
 containing 239110-15-7D, Fluopicolide, mixts. containing 243973-20-8D,
 Pinoxaden, mixts. containing 248593-16-0D, Orysastobin, mixts. containing
 256412-89-2D, Metamifop, mixts. containing 269720-29-8D, mixts. containing
 271241-14-6D, Dimefluthrin, mixts. containing 272451-65-7D, Flubendiamide,
 mixts. containing 283159-90-0D, Valiphenal, mixts. containing 283594-90-1D,
 Spiromesifen, mixts. containing 287941-52-0D,
 N'-[4-(4-Chloro-3-trifluoromethylphenoxy)-2,5-dimethylphenyl]-N-ethyl-N-
 methylformamidine, mixts. containing 287941-79-1D,
 N'-[4-(4-Fluoro-3-trifluoromethylphenoxy)-2,5-dimethylphenyl]-N-ethyl-N-
 methylformamidine, mixts. containing 304911-98-6D,
 N-(4-Chloro-2-nitrophenyl)-N-ethyl-4-methylbenzenesulfonamide, mixts.
 containing 315208-17-4D, Pyrafluprole, mixts. containing 325155-62-2D,
 mixts.
 containing 335104-84-2D, Tembotrione, mixts. containing 337458-27-2D,
 Pyrifluquinazon, mixts. containing 345206-00-0D, mixts. containing
 348635-87-0D, Amisulbrom, mixts. containing 352010-68-5D, mixts. containing
 353292-31-6D, mixts. containing 361377-29-9D, Fluoxastobin, mixts.
 containing
 365400-11-9D, Pyrasulfotole, mixts. containing 366815-41-0D, mixts.
 containing
 372137-35-4D, Saflufenacil, mixts. containing 374726-62-2D, Mandipropamid,
 mixts. containing 394730-71-3D, Pyriprole, mixts. containing 400852-66-6D,
 Mesosulfuron, mixts. containing 400882-07-7D, Cyflumetofen, mixts. containing
 404875-67-8D, mixts. containing 404875-68-9D, mixts. containing
 412928-75-7D,
 Flucetosulfuron, mixts. containing 413615-35-7D, Benthiavalicarb, mixts.
 containing 420138-40-5D, Pyribambenz-propyl, mixts. containing
 422556-08-9D,
 Pyroxulam, mixts. containing 447399-55-5D, Pyroxasulfone, mixts. containing
 473278-76-1D, Tefuryltrione, mixts. containing 473798-59-3D, mixts.
 containing
 494215-86-0D, 6-Octyl-5-trifluoromethyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-
 ylamine, mixts. containing 494793-45-2D,
 N-[2-(1,3,3-Trimethylbutyl)phenyl]-1,3-dimethyl-5-fluoro-1H-pyrazole-4-
 carboxamide, mixts. containing 494793-67-8D,
 N-[2-(1,3-Dimethylbutyl)phenyl]-1,3-dimethyl-5-fluoro-1H-pyrazole-4-
 carboxamide, mixts. containing 496850-17-0D, mixts. containing
 499223-49-3D,
 6-Chloro-3-(2-cyclopropyl-6-methyl-phen-oxy)-pyridazin-4-ol, mixts. containing
 500008-45-7D, Chlorantraniliprole, mixts. containing 560121-52-0D,
 Cyenopyrafen, mixts. containing 570415-88-2D, mixts. containing
 581809-46-3D,
 Bixafen, mixts. containing 599194-51-1D, mixts. containing 599197-38-3D,

mixts. containing 658066-35-4D, Fluopyram, mixts. containing 736994-63-1D, Cyazypyr, mixts. containing 750643-57-3D, Enestroburin, mixts. containing 765286-17-7D, 2-(4-Chloro-phenyl)-N-[4-(3,4-dimethoxy-phenyl)-isoxazol-5-yl]-2-prop-2-ynyloxy-acetamide, mixts. containing 799247-52-2D, Pyribencarb, mixts. containing 847749-37-5D, 3-[5-(4-Chlorophenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine, mixts. containing 858954-83-3D, mixts. containing 863549-51-3D, Lepimectin, mixts. containing 865235-74-1D, 6-Octyl-5-propyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 865315-53-3D, 6-Methyl-5-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 865315-56-6D, 6-Ethyl-5-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 865318-97-4D, 5-Ethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 865318-98-5D, 5-Ethyl-6-(3,5,5-trimethylhexyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 868390-90-3D, mixts. containing 870765-96-1D, N'-[2-Methyl-5-trifluoromethyl-4-(3-trimethylsilanylpropoxy)phenyl]-N-ethyl-N-methylformamidine, mixts. containing 870765-98-3D, N'-[5-Difluoromethyl-2-methyl-4-(3-trimethylsilanylpropoxy)phenyl]-N-ethyl-N-methylformamidine, mixts. containing 872121-91-0D, N-(3',5'-Dichlorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 872121-95-4D, N-(2',4'-Dichlorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 872121-96-5D, N-(2',5'-Difluorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 872122-03-7D, N-(2',4'-Difluorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 874967-67-6D, Sedaxane, mixts. containing 881685-58-1D, Isopyrazam, mixts. containing 905961-53-7D, 5-Methoxymethyl-6-octyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 907204-31-3D, mixts. containing 918154-92-4D, N-[1-[1-(4-Cyanophenyl)ethanesulfonyl]but-2-yl]carbamic acid (4-fluorophenyl) ester, mixts. containing 918160-77-7D, N-(3'-Chlorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 918160-79-9D, N-(3'-Fluorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 918830-12-3D, N-(2',5'-Dichlorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 918886-15-4D, N-(3',5'-Difluorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 919487-25-5D, N-(2'-Chlorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 919487-31-3D, N-(2'-Fluorobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 922175-03-9D, 5-Methyl-6-(3,5,5-trimethylhexyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 922175-29-9D, 6-(3,4-Dichlorophenyl)-5-methyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 922175-90-4D, 5-Trifluoromethyl-6-(3,5,5-trimethylhexyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine, mixts. containing 923953-98-4D, N-[2-(1,1,2,2-Tetrafluoroethoxy)phenyl]-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 923954-20-5D, N-[2-(1,1,2,3,3,3-Hexafluoropropoxy)phenyl]-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 935545-74-7D, Spinetoram, mixts. containing 936331-72-5D, Thiencarbazone, mixts. containing 943831-36-5D, mixts. containing 943831-98-9D, mixts. containing 945615-47-4D, 3-[5-(4-Methylphenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine, mixts. containing 949575-92-2D, N-(4'-Trifluoromethylthiobiphenyl-2-yl)-3-difluoromethyl-1-methyl-1H-pyrazole-4-carboxamide, mixts. containing 958647-10-4D, Flutianil, mixts. containing 1020398-65-5D, 1-(4-Chlorophenyl)-2-([1,2,4]triazol-1-yl)cycloheptanol, mixts. containing 1086785-89-8D, mixts. containing 1198080-78-2D, mixts. containing 1198080-79-3D, mixts. containing 1198080-81-7D, mixts. containing 1198080-82-8D, mixts. containing 1198080-96-4D, mixts. containing

1231776-28-5D, mixts. containing 1231776-29-6D, mixts. containing
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic fungicidal mixts. containing butylphenylchloropyridinyl
morpholinyl propenone and at least one further active compound)

AB The present invention relates to a mixture, comprising a
3-(4-tert.-butyl-phenyl)-3-(2-chloro-pyridin-4-yl)-1-morpholin-4-yl-
propenone and at least one active compound II, selected from groups (A) to
(I) as defined in the description, in a synergistically effective amount,
and to compns. comprising these mixts.

L12 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:560107 CAPLUS

DOCUMENT NUMBER: 152:542968

TITLE: Method for improving plant health by treating plant
with at least one benzoyl-substituted alanine compound

INVENTOR(S): Grossmann, Klaus; Volz, Petra; Witschel, Matthias

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 82pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010049414	A1	20100506	WO 2009-EP64136	20091027
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2008-168089 A 20081031

OTHER SOURCE(S): MARPAT 152:542968

IT 56-41-7D, L-Alanine, benzoyl-substituted derivs. 61-82-5D,
3-Amino-1,2,4-triazole, mixts. containing 69-72-7D, Salicylic acid, mixts.
containing 71-44-3D, Spermine, mixts. containing 86-86-2D,
1-Naphthaleneacetamide, mixts. containing 93-65-2D, Mecoprop, mixts.

containing
94-74-6D, MCPA, mixts. containing 94-75-7D, 2,4-D, mixts. containing
110-60-1D, Putrescine, mixts. containing 120-36-5D, Dichlorprop, mixts.
containing 121-46-0D, 2,5-Norbornadiene, mixts. containing 121-79-9D,

n-Propyl
gallate, mixts. containing 122-34-9D, Simazine, mixts. containing

124-20-9D,
Spermidine, mixts. containing 137-26-8D, Thiram, mixts. containing

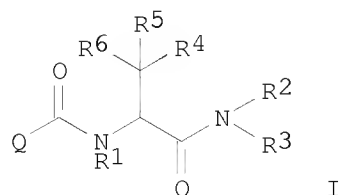
999-81-5D,
Chlormequat chloride, mixts. containing 1071-83-6D, Glyphosate, mixts.
containing 1214-39-7D, N-6-Benzyladenine, mixts. containing 1689-83-4D,
Ioxynil, mixts. containing 1689-84-5D, Bromoxynil, mixts. containing
1698-60-8D, Chloridazon, mixts. containing 1702-17-6D, Clopyralid, mixts.
containing 1897-45-6D, Chlorothalonil, mixts. containing 1912-24-9D,

Atrazine,
mixts. containing 1918-00-9D, Dicamba, mixts. containing 1918-02-1D,
Picloram,

mixts. containing 2781-85-3D, Cyclopropene, mixts. containing 3100-04-7D,
 1-Methylcyclopropene, mixts. containing 3347-22-6D, Dithianon, mixts.
 containing
 5915-41-3D, Terbutylazine, mixts. containing 9006-42-2D, Metiram, mixts.
 containing 13684-56-5D, Desmedipham, mixts. containing 13684-63-4D,
 Phenmedipham, mixts. containing 14701-21-4D, mixts. containing, biological
 studies 15545-48-9D, Chlortoluron, mixts. containing 16672-87-0D,
 Ethephon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing
 23103-98-2D, Pirimicarb, mixts. containing 23564-05-8D, Thiophanate-methyl,
 mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24307-26-4D,
 Mepiquat chloride, mixts. containing 25057-89-0D, Bentazone, mixts.
 containing
 26225-79-6D, Ethofumesate, mixts. containing 27355-22-2D, Phthalide, mixts.
 containing 27605-76-1D, Probenazole, mixts. containing 34123-59-6D,
 Isoproturon, mixts. containing 36734-19-7D, Iprodione, mixts. containing
 39148-24-8D, Fosetyl aluminum, mixts. containing 40487-42-1D, Pendimethalin,
 mixts. containing 41394-05-2D, Metamitron, mixts. containing 42576-02-3D,
 Bifenox, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing
 50594-66-6D, Acifluorfen, mixts. containing 51276-47-2D, Glufosinate, mixts.
 containing 52315-07-8D, Cypermethrin, mixts. containing 52888-80-9D,
 Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing
 53112-28-0D, Pyrimethanil, mixts. containing 56512-51-7D, Vinylglycine,
 derivs., mixts. containing 57837-19-1D, Metalaxyl, mixts. containing
 57966-95-7D, Cymoxanil, mixts. containing 60207-90-1D, Propiconazole, mixts.
 containing 66230-04-4D, Esfenvalerate, mixts. containing 67129-08-2D,
 Metazachlor, mixts. containing 67306-00-7D, Fenpropidin, mixts. containing
 67375-30-8D, Alpha-cypermethrin, mixts. containing 67564-91-4D,
 Fenpropimorph, mixts. containing 67747-09-5D, Prochloraz, mixts. containing
 68085-85-8D, Cyhalothrin, mixts. containing 68359-37-5D, Cyfluthrin, mixts.
 containing 69335-91-7D, Fluazifop, mixts. containing 69377-81-7D,
 Fluroxypyr,
 mixts. containing 70630-17-0D, Metalaxyl-M, mixts. containing 73250-68-7D,
 Mefenacet, mixts. containing 74051-80-2D, Sethoxydim, mixts. containing
 76674-21-0D, Flutriafol, mixts. containing 79277-67-1D, Thifensulfuron,
 mixts. containing **79538-32-2D**, Tefluthrin, mixts. containing
 81334-34-1D, Imazapyr, mixts. containing 81335-37-7D, Imazaquin, mixts.
 containing 81335-77-5D, Imazethapyr, mixts. containing 81777-89-1D,
 Clomazone,
 mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82657-04-3D,
 Bifenthrin, mixts. containing 83164-33-4D, Diflufenican, mixts. containing
 84087-01-4D, Quinclorac, mixts. containing 85509-19-9D, Flusilazole, mixts.
 containing 87674-68-8D, Dimethenamid, mixts. containing 87820-88-0D,
 Tralkoxydim, mixts. containing 90717-03-6D, Quinmerac, mixts. containing
 94361-06-5D, Cyproconazole, mixts. containing 95266-40-3D, Trinexapac-ethyl,
 mixts. containing 95617-09-7D, Fenoxaprop, mixts. containing 99105-77-8D,
 Sulcotrione, mixts. containing 99129-21-2D, Clethodim, mixts. containing
 100728-84-5D, Imazamethabenz, mixts. containing 101205-02-1D, mixts.
 containing
 104098-48-8D, Imazapic, mixts. containing **104206-82-8D**,
 Mesotrione, mixts. containing 106040-48-6D, Tribenuron, mixts. containing
 107534-96-3D, Tebuconazole, mixts. containing 108173-90-6D, Guazatine,
 mixts. containing 109293-97-2D, Diflufenzopyr, mixts. containing
 110488-70-5D,
 Dimethomorph, mixts. containing 111479-05-1D, Propaquizafop, mixts.
 containing
 111988-49-9D, Thiacloprid, mixts. containing 113136-77-9D, Cyclanilide,
 mixts. containing 114311-32-9D, Imazamox, mixts. containing 117428-22-5D,
 Picoxystrobin, mixts. containing 118134-30-8D, Spiroxamine, mixts. containing
 119446-68-3D, Difenconazole, mixts. containing 120068-37-3D, Fipronil,
 mixts. containing 120923-37-7D, Amidosulfuron, mixts. containing
 121552-61-2D,
 Cyprodinil, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing

124495-18-7D, Quinoxifen, mixts. containing 125116-23-6D, Metconazole, mixts. containing 127277-53-6D, Prohexadione-calcium, mixts. containing 131341-86-1D, Fludioxonil, mixts. containing 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin, mixts. containing 131983-72-7D, Triticonazole, mixts. containing 133855-98-8D, Epoxiconazole, mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 136426-54-5D, Fluquinconazole, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138261-41-3D, Imidacloprid, mixts. containing 139968-49-3D, Metaflumizone, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing 141517-21-7D, Trifloxystrobin, mixts. containing 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts. containing 145701-23-1D, Florasulam, mixts. containing 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxymid, mixts. containing 150315-10-9D, Flupyrasulfuron, mixts. containing 153719-23-4D, Thiamethoxam, mixts. containing 156052-68-5D, Zoxamide, mixts. containing 158062-67-0D, Flonicamid, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 175013-18-0D, Pyraclostrobin, mixts. containing 175217-20-6D, Silthiofam, mixts. containing 178928-70-6D, Prothioconazole, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 183675-82-3D, Penthiopyrad, mixts. containing 185119-76-0D, Iodosulfuron, mixts. containing 188425-85-6D, Boscalid, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 200509-41-7D, Quizalofop-P-tefuryl, mixts. containing 210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 220899-03-6D, Metrafenone, mixts. containing 224049-04-1D, Isotianil, mixts. containing 248593-16-0D, Orysastrobin, mixts. containing 361377-29-9D, Fluoxastrobin, mixts. containing 374726-62-2D, Mandipropamid, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 581809-46-3D, Bixafen, mixts. containing 881685-58-1D, Isopyrazam, mixts. containing 907204-31-3D, mixts. containing 915960-61-1 915960-61-1D, salts, mixts. containing 1225133-73-2D, salts, mixts. containing 1225133-74-3 1225133-74-3D, salts, mixts. containing 1225133-75-4 1225133-75-4D, salts, mixts. containing 1225133-76-5 1225133-76-5D, salts, mixts. containing 1225133-77-6 1225133-77-6D, salts, mixts. containing 1225133-78-7 1225133-78-7D, salts, mixts. containing 1225133-79-8 1225133-79-8D, salts, mixts. containing 1225133-80-1 1225133-80-1D, salts, mixts. containing 1225133-81-2 1225133-81-2D, salts, mixts. containing 1225133-82-3 1225133-82-3D, salts, mixts. containing 1225133-83-4 1225133-83-4D, salts, mixts. containing RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (method for improving plant health by treating plant with at least one benzoyl-substituted alanine compound)

GI



AB A method for improving the health of a plant is described. The method comprises treating the plant and/or the locus where the plant is growing or is intended to grow and/or the plant propagules with a plant health improving amount of at least one benzoyl-substituted alanine compound (A) of the formula (I), in which the variables are defined in the description. Compound A may optionally be combined with a compound B comprised of pesticide(s).

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:559983 CAPLUS

DOCUMENT NUMBER: 152:542967

TITLE: Method for improving plant health by treating plant with at least one heteroaroyl-substituted alanine compound

INVENTOR(S): Grossmann, Klaus; Volz, Petra; Witschel, Matthias

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: PCT Int. Appl., 79pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010049405	A1	20100506	WO 2009-EP64118	20091027
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2008-168094 A 20081031

OTHER SOURCE(S): MARPAT 152:542967

IT 56-41-7D, L-Alanine, heteroaroyl-substituted derivs. 61-82-5D, 3-Amino-1,2,4-triazole, mixts. containing 69-72-7D, Salicylic acid, mixts. containing 71-44-3D, Spermine, mixts. containing 86-86-2D, 1-Naphthaleneacetamide, mixts. containing 93-65-2D, Mecoprop, mixts.

containing 94-74-6D, MCPA, mixts. containing 94-75-7D, 2,4-D, mixts. containing 110-60-1D, Putrescine, mixts. containing 120-36-5D, Dichlorprop, mixts. containing 121-46-0D, 2,5-Norbornadiene, mixts. containing 121-79-9D,

n-Propyl gallate, mixts. containing 122-34-9D, Simazine, mixts. containing

124-20-9D, Spermidine, mixts. containing 137-26-8D, Thiram, mixts. containing

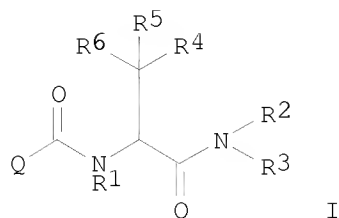
999-81-5D, Chlormequat chloride, mixts. containing 1071-83-6D, Glyphosate, mixts. containing 1214-39-7D, N-6-Benzyladenine, mixts. containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D, Bromoxynil, mixts. containing 1698-60-8D, Chloridazon, mixts. containing 1702-17-6D, Clopyralid, mixts. containing 1897-45-6D, Chlorothalonil, mixts. containing 1912-24-9D,

Atrazine, mixts. containing 1918-00-9D, Dicamba, mixts. containing 1918-02-1D, Picloram,

mixts. containing 2781-85-3D, Cyclopropene, mixts. containing 3100-04-7D,
 1-Methylcyclopropene, mixts. containing 3347-22-6D, Dithianon, mixts.
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 Phenmedipham, mixts. containing 14701-21-4D, mixts. containing, biological
 studies 15545-48-9D, Chlortoluron, mixts. containing 16672-87-0D,
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 mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24307-26-4D,
 Mepiquat chloride, mixts. containing 25057-89-0D, Bentazone, mixts.
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 57966-95-7D, Cymoxanil, mixts. containing 60207-90-1D, Propiconazole, mixts.
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 67375-30-8D, Alpha-cypermethrin, mixts. containing 67564-91-4D,
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 mixts. containing 70630-17-0D, Metalaxyl-M, mixts. containing 73250-68-7D,
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 Sulcotrione, mixts. containing 99129-21-2D, Clethodim, mixts. containing
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 containing
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124495-18-7D, Quinoxifen, mixts. containing 125116-23-6D, Metconazole, mixts. containing 127277-53-6D, Prohexadione-calcium, mixts. containing 131341-86-1D, Fludioxonil, mixts. containing 131807-57-3D, Famoxadone, mixts. containing 131860-33-8D, Azoxystrobin, mixts. containing 131983-72-7D, Triticonazole, mixts. containing 133855-98-8D, Epoxiconazole, mixts. containing 135158-54-2D, Acibenzolar-S-methyl, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 136426-54-5D, Fluquinconazole, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138261-41-3D, Imidacloprid, mixts. containing 139968-49-3D, Metaflumizone, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing 141517-21-7D, Trifloxystrobin, mixts. containing 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 143390-89-0D, Kresoxim-methyl, mixts. containing 145701-23-1D, Florasulam, mixts. containing 149961-52-4D, Dimoxystrobin, mixts. containing 149979-41-9D, Tepraloxymid, mixts. containing 150315-10-9D, Flupyrasulfuron, mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing 156052-68-5D, Zoxamide, mixts. containing 158062-67-0D, Flonicamid, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 175013-18-0D, Pyraclostrobin, mixts. containing 175217-20-6D, Silthiofam, mixts. containing 178928-70-6D, Prothioconazole, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 183675-82-3D, Penthiopyrad, mixts. containing 185119-76-0D, Iodosulfuron, mixts. containing 188425-85-6D, Boscalid, mixts. containing 189278-12-4D, Proquinazid, mixts. containing 200509-41-7D, Quizalofop-P-tefuryl, mixts. containing 210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 220899-03-6D, Metrafenone, mixts. containing 224049-04-1D, Isotianil, mixts. containing 248593-16-0D, Orysastrobins, mixts. containing 361377-29-9D, Fluoxastrobins, mixts. containing 374726-62-2D, Mandipropamid, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 581809-46-3D, Bixafen, mixts. containing 881685-58-1D, Isopyrazam, mixts. containing 907204-31-3D, mixts. containing 916147-68-7D, salts, mixts. containing 1225136-38-8D, salts, mixts. containing 1225136-40-2D, salts, mixts. containing 1225136-43-5D, salts, mixts. containing 1225136-44-6D, salts, mixts. containing 1225136-45-7D, salts, mixts. containing 1225136-46-8D, salts, mixts. containing 1225136-49-1 1225136-49-1D, salts, mixts. containing 1225136-50-4 1225136-50-4D, salts, mixts. containing 1225136-52-6 1225136-52-6D, salts, mixts. containing 1225136-54-8 1225136-54-8D, salts, mixts. containing 1225136-55-9 1225136-55-9D, salts, mixts. containing 1225136-58-2D, salts, mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (method for improving plant health by treating plant with at least one heteroaroyl-substituted alanine compound)

GI



AB A method for improving the health of a plant is described. The method comprises treating the plant and/or the locus where the plant is growing or is intended to grow and/or the plant propagules with a plant health improving amount of at least one heteroaroyl-substituted alanine compound (A) of the formula (I), in which the variables are defined in the description. Compound A may optionally be combined with a compound B comprised of pesticide(s).

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:241615 CAPLUS

DOCUMENT NUMBER: 152:305560

TITLE: Pesticide combinations with GABA useful for alleviating stress conditions for desirable plants, and for weed and pest control

INVENTOR(S): Lewis, Gregory Keith

PATENT ASSIGNEE(S): Plant Health Care, Inc., USA

SOURCE: PCT Int. Appl., 45pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010022251	A2	20100225	WO 2009-US54489	20090820
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 20100048397	A1	20100225	US 2009-544752	20090820
PRIORITY APPLN. INFO.:			US 2008-91220P	P 20080822
IT 50-31-7D, 2,3,6-TBA, mixts. containing 55-38-9D,			52-68-6D, mixts. containing	
Fenthion, mixts. containing			56-12-2D, mixts. containing 56-38-2D,	
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Amitrole,				
mixts. containing			62-38-4D, Phenylmercury acetate, mixts. containing	
62-56-6D,				

Thiourea, mixts. containing 63-25-2D, Carbaryl, mixts. containing 71-55-6D,
 TCA, mixts. containing 74-83-9D, Methyl bromide, mixts. containing
 74-88-4D,
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 75-99-0D, Dalapon, mixts. containing 78-34-2D, Dioxathion, mixts. containing
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 containing 841-06-5D, Methoprotryne, mixts. containing 886-50-0D,
 Terbutryn,
 mixts. containing 919-86-8D, Demeton-S-methyl, mixts. containing 944-22-9D,
 Fonophos, mixts. containing 957-51-7D, Diphenamide, mixts. containing

1014-69-3D, Desmetryn, mixts. containing 1014-70-6D, Simetryn, mixts.
 containing
 1071-83-6D, Glyphosate, mixts. containing 1113-02-6D, Omethoate, mixts.
 containing 1114-71-2D, Pebulate, mixts. containing 1129-41-5D, Metolcarb,
 mixts. containing 1134-23-2D, Cycloate, mixts. containing 1194-65-6D,
 Dichlobenil, mixts. containing 1303-96-4D, Borax (B₄Na₂O₇·10H₂O), mixts.
 containing 1319-77-3D, Cresol, mixts. containing 1420-07-1D, Dinoterb,
 mixts.
 containing 1468-37-7D, Dimexano, mixts. containing 1563-66-2D, Carbofuran,
 mixts. containing 1610-17-9D, Atraton, mixts. containing 1610-18-0D,
 Prometon,
 mixts. containing 1689-83-4D, Ioxynil, mixts. containing 1689-84-5D,
 Bromoxynil, mixts. containing 1698-60-8D, Chloridazon, mixts. containing
 1702-17-6D, Clopyralid, mixts. containing 1746-81-2D, Monolinuron, mixts.
 containing 1771-07-9D, Methometon, mixts. containing 1773-37-1D,
 Carbasulam,
 mixts. containing 1824-09-5D, Mesoprazine, mixts. containing 1836-77-7D,
 Chlornitrofen, mixts. containing 1861-40-1D, Benfluralin, mixts. containing
 1861-44-5D, Tritac, mixts. containing 1891-95-8D, Chloroxynil, mixts.
 containing
 1910-42-5D, Paraquat, mixts. containing 1912-24-9D, Atrazine, mixts.
 containing
 1912-25-0D, Ipazine, mixts. containing 1912-26-1D, Trietazine, mixts.
 containing
 1918-00-9D, Dicamba, mixts. containing 1918-02-1D, Picloram, mixts.
 containing
 1918-11-2D, Terbucarb, mixts. containing 1918-13-4D, Chlorthiamid, mixts.
 containing 1918-16-7D, Propachlor, mixts. containing 1918-18-9D, Swep,
 mixts.
 containing 1929-77-7D, Vernolate, mixts. containing 1929-88-0D,
 Benzthiazuron,
 mixts. containing 1966-58-1D, Dichlormate, mixts. containing 1967-16-4D,
 Chlorbufam, mixts. containing 1970-40-7D, Pyriclor, mixts. containing
 1982-47-4D, Chloroxuron, mixts. containing 1982-49-6D, Siduron, mixts.
 containing 2008-41-5D, Butylate, mixts. containing 2032-65-7D, Methiocarb,
 mixts. containing 2122-77-2D, Fenteracol, mixts. containing 2136-79-0D,
 Chlorthal, mixts. containing 2150-32-5D, CPFC, mixts. containing
 2163-80-6D,
 MSMA, mixts. containing 2164-09-2D, Chloranocryl, mixts. containing
 2164-13-8D, BCPC, mixts. containing 2164-17-2D, Fluometuron, mixts.
 containing
 2212-67-1D, Molinate, mixts. containing 2274-67-1D, Dimethylvinphos, mixts.
 containing 2275-18-5D, Prothoate, mixts. containing 2275-23-2D,
 Vamidothion,
 mixts. containing 2303-16-4D, Diallate, mixts. containing 2303-17-5D,
 Triallate, mixts. containing 2307-49-5D, Tricamba, mixts. containing
 2307-68-8D, Pentanochlor, mixts. containing 2310-17-0D, Phosalone, mixts.
 containing 2312-35-8D, Propargite, mixts. containing 2315-36-8D, CDEA,
 mixts.
 containing 2321-53-1D, MAMA, mixts. containing 2425-10-7D, Xyllycarb,
 mixts.
 containing 2464-37-1D, Chlorflurenol, mixts. containing 2540-82-1D,
 Formothion, mixts. containing 2544-94-7D, Etinofen, mixts. containing
 2595-54-2D, Mecarbam, mixts. containing 2597-03-7D, Phenthoate, mixts.
 containing 2631-37-0D, Promecarb, mixts. containing 2631-40-5D, Isoprocab,
 mixts. containing 2636-26-2D, Cyanophos, mixts. containing 2642-71-9D,
 Azinphos A, mixts. containing 2674-91-1D, Oxydeprofos, mixts. containing
 2689-43-2D, Anisuron, mixts. containing 2693-61-0D, Haloxydine, mixts.
 containing 2759-71-9D, Cypromid, mixts. containing 2764-72-9D, Diquat,
 mixts.
 containing 2797-51-5D, Quinoclamine, mixts. containing 2921-88-2D,
 Chloropyrifos, mixts. containing 2941-55-1D, Ethiolate, mixts. containing

3042-84-0D, mixts. containing 3050-27-9D, Trimeturon, mixts. containing
 3060-89-7D, Metobromuron, mixts. containing 3134-12-1D, Phenobenzuron,
 mixts. containing 3134-70-1D, Isopolinate, mixts. containing 3278-46-4D,
 Chloropon, mixts. containing 3295-78-1D, Dimidazon, mixts. containing
 3307-37-7D, 3,4-DB, mixts. containing 3307-39-9D, 4-CPP, mixts. containing
 3307-41-3D, 3,4-DP, mixts. containing 3337-71-1D, Asulam, mixts. containing
 3383-96-8D, Temephos, mixts. containing 3547-07-7D, 4-CPB, mixts. containing
 3615-21-2D, Chlorflurazole, mixts. containing 3689-24-5D, Sulfotep, mixts.
 containing 3703-46-6D, Rhodethanil, mixts. containing 3761-41-9D,
 Mesulfenphos, mixts. containing 3766-60-7D, Buturon, mixts. containing
 3766-81-2D, Fenobucarb, mixts. containing 3811-49-2D, Salithion, mixts.
 containing 3813-05-6D, Benazolin, mixts. containing 3926-62-3D, SMA, mixts.
 containing 3996-59-6D, Medinoterb, mixts. containing 4024-81-1D, OCH,
 mixts.
 containing 4147-51-7D, Dipropetryn, mixts. containing 4212-93-5D,
 Terbuchlor,
 mixts. containing 4489-31-0D, Oxapyrazon, mixts. containing 4636-83-3D,
 mixts.
 containing 4658-28-0D, Aziprotryne, mixts. containing 4726-14-1D, Nitratin,
 mixts. containing 4824-78-6D, Bromophos A, mixts. containing 4849-32-5D,
 Karbutilate, mixts. containing 5234-68-4D, Carboxin, mixts. containing
 5251-93-4D, Benzadox, mixts. containing 5902-51-2D, Terbacil, mixts.
 containing
 5902-95-4D, CMA, mixts. containing 5915-41-3D, Terbutylazine, mixts.
 containing
 6012-85-7D, EBEP, mixts. containing 6022-33-9D, CPMF, mixts. containing
 6682-77-5D, Tripropindan, mixts. containing 7159-99-1D, Parafluron, mixts.
 containing 7286-69-3D, Sebuthylazine, mixts. containing 7287-19-6D,
 Prometryn,
 mixts. containing 7287-36-7D, Monalide, mixts. containing 7292-16-2D,
 Propaphos, mixts. containing 7664-93-9D, Sulfuric acid, mixts. containing
 7720-78-7D, Ferrous sulfate, mixts. containing 7758-98-7D, Copper sulfate,
 mixts. containing 7773-06-0D, Ammonium sulfamate, mixts. containing
 7775-09-9D, Sodium chlorate, mixts. containing 7786-34-7D, Mevinphos, mixts.
 containing 8022-00-2D, Demeton M, mixts. containing
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (pesticide combinations with GABA useful for alleviating stress
 conditions for desirable plants, and for weed and pest control)
 IT 8065-36-9D, Bufencarb, mixts. containing 10124-50-2D, Potassium arsenite,
 mixts. containing 10137-74-3D, Calcium chlorate, mixts. containing
 10265-92-6D, Methamidophos, mixts. containing 10453-56-2D, cis-Resmethrin,
 mixts. containing 12407-86-2D, Trimethacarb, mixts. containing
13071-79-9D, Terbufos, mixts. containing 13121-70-5D, Cyhexatin,
 mixts. containing 13181-17-4D, Bromofenoxim, mixts. containing 13194-48-4D,
 Ethoprophos, mixts. containing 13356-08-6D, Fenbutatin oxide, mixts.
 containing
 13360-45-7D, Chlorbromuron, mixts. containing 13464-37-4D, Sodium arsenite,
 mixts. containing 13577-71-4D, Fluoromidine, mixts. containing 13684-44-1D,
 Phenmedipham-ethyl, mixts. containing 13684-56-5D, Desmedipham, mixts.
 containing 13684-63-4D, Phenmedipham, mixts. containing 13738-63-1D,
 Fluoronitrofen, mixts. containing 14214-32-5D, Difenoxuron, mixts. containing
 14437-20-8D, Chlorfenprop, mixts. containing 14491-59-9D, Credazine, mixts.
 containing 14816-18-3D, Phoxim, mixts. containing 15165-67-0D,
 Dichlorprop-P,
 mixts. containing 15263-53-3D, Cartap, mixts. containing 15299-99-7D,
 Napropamide, mixts. containing 15457-05-3D, Fluorodifen, mixts. containing
 15545-48-9D, Chlorotoluron, mixts. containing 15972-60-8D, Alachlor, mixts.
 containing 16118-49-3D, Carbetamide, mixts. containing 16484-77-8D,
 Mecoprop-P, mixts. containing 16752-77-5D, Methomyl, mixts. containing
 17029-22-0D, Hexaflurate, mixts. containing 17109-49-8D, Edifenphos, mixts.
 containing 17606-31-4D, Bensultap, mixts. containing 18357-78-3D,
 Methiobencarb, mixts. containing 18530-56-8D, Noruron, mixts. containing

18691-97-9D, Methabenzthiazuron, mixts. containing 18854-01-8D, Isoxathion, mixts. containing 19044-88-3D, Oryzalin, mixts. containing 19360-02-2D, Alorac, mixts. containing 19527-13-0D, Nitromethylene, mixts. containing 19666-30-9D, Oxadiazon, mixts. containing 19937-59-8D, Metoxuron, mixts. containing 20354-26-1D, Methazole, mixts. containing 20425-39-2D, Pyresmethrin, mixts. containing 20762-60-1D, Potassium azide, mixts. containing

20782-58-5D, Chloreturon, mixts. containing 21087-64-9D, Metribuzin, mixts. containing 21267-72-1D, Prynachlor, mixts. containing 21540-35-2D,

Methiuron, mixts. containing 21689-84-9D, Cyanatryn, mixts. containing 21725-46-2D, Cyanazine, mixts. containing 22212-56-2D, Benzoylprop, mixts. containing 22224-92-6D, Fenamiphos, mixts. containing 22248-79-9D, Tetrachlorvinphos, mixts. containing 22571-07-9D, mixts. containing 22781-23-3D, Bendiocarb, mixts. containing 22839-47-0D, Aspartame, mixts. containing 22936-75-0D, Dimethametryn, mixts. containing 22936-86-3D, Cyprazine, mixts. containing 23103-98-2D, Pirimicarb, mixts. containing 23121-99-5D, Chlorprocarb, mixts. containing 23135-22-0D, Oxamyl, mixts. containing 23184-66-9D, Butachlor, mixts. containing 23505-41-1D, Pirimiphos A, mixts. containing 23526-02-5D, Thuringiensin, mixts. containing 23560-59-0D, Heptenophos, mixts. containing 23576-23-0D, Metflurazon, mixts. containing 23950-58-5D, Propyzamide, mixts. containing 24017-47-8D, Triazophos, mixts. containing 24151-93-7D,

Piperophos, mixts. containing 24353-58-0D, Delachlor, mixts. containing 24934-91-6D, mixts. containing 25057-89-0D, Bentazone, mixts. containing 25319-90-8D, MCPA-thioethyl, mixts. containing 25366-23-8D, Thiazafluron, mixts. containing

25475-73-4D, Flumezin, mixts. containing 25671-45-8D, Iodobonil, mixts. containing 25671-46-9D, Bromobonil, mixts. containing 26087-47-8D,

Iprobenfos, mixts. containing 26129-32-8D, Clofop, mixts. containing 26225-79-6D, Ethofumesate, mixts. containing 26259-45-0D, Secbumeton, mixts. containing 26399-36-0D, Profluralin, mixts. containing 26628-22-8D, Sodium azide, mixts. containing 27314-13-2D, Norflurazon, mixts. containing 27541-88-4D, Quinonamid, mixts. containing 27954-37-6D, Tetrafluron, mixts. containing 28249-77-6D, Thiobencarb, mixts. containing 29091-05-2D, Dinitramine, mixts. containing 29091-21-2D, Prodiamine, mixts. containing 29232-93-7D,

Pirimiphos M, mixts. containing 29973-13-5D, Ethiofencarb, mixts. containing

30043-49-3D, Ethidimuron, mixts. containing 30043-55-1D, Butiuron, mixts. containing 30182-24-2D, mixts. containing 30560-19-1D, Acephate, mixts. containing 30979-48-7D, Isocarbamide, mixts. containing 32861-85-1D, Chlomethoxyfen, mixts. containing 32889-48-8D, Procyazine, mixts. containing 33089-61-1D, Amitraz, mixts. containing 33245-39-5D, Fluchloralin, mixts. containing 33439-45-1D, Fluothiuron, mixts. containing 33629-47-9D, Butralin, mixts. containing 33693-04-8D, Terbumeton, mixts. containing 33820-53-0D, Isopropalin, mixts. containing 34014-18-1D, Tebuthiuron, mixts. containing 34123-59-6D, Isoproturon, mixts. containing 34205-21-5D, Dimefuron, mixts. containing 34256-82-1D, Acetochlor, mixts. containing 34484-77-0D,

Cisanilide, mixts. containing 34622-58-7D, Orbencarb, mixts. containing 34643-46-4D, Prothiofos, mixts. containing 34681-10-2D, Butocarboxim, mixts. containing 35256-85-0D, Tebutam, mixts. containing 35256-86-1D, Benzipram, mixts. containing 35367-38-5D, Diflubenzuron, mixts. containing 35400-43-2D, Sulprofos, mixts. containing 35597-43-4D, Bilanafos, mixts. containing 35597-44-5D, Glufosinate P, mixts. containing 36335-67-8D, Butamifos, mixts. containing 36756-79-3D, Tiocarbazil, mixts. containing 37273-91-9D, Metaldehyde, mixts. containing 37924-13-3D, Perfluidone, mixts. containing 38260-54-7D, Etrimphos, mixts. containing 38725-95-0D, Diethatyl, mixts. containing 39196-18-4D, Thiofanox, mixts. containing 39515-41-8D, Fenpropathrin, mixts. containing 39807-15-3D, Oxadiargyl, mixts. containing

40020-01-7D, Pyridafol, mixts. containing 40487-42-1D, Pendimethalin, mixts. containing 40843-25-2D, Diclofop, mixts. containing 41083-11-8D, Azocyclotin, mixts. containing 41198-08-7D, Profenofos, mixts. containing 41394-05-2D, Metamitron, mixts. containing 42089-03-2D, Cyprazole, mixts. containing 42576-02-3D, Bifenox, mixts. containing 42609-52-9D, Daimuron, mixts. containing 42609-73-4D, Methyldymron, mixts. containing 48134-75-4D, Cyperquat, mixts. containing 49866-87-7D, Difenzoquat, mixts. containing 50563-36-5D, Dimethachlor, mixts. containing 50594-66-6D, Acifluorfen, mixts. containing 51068-60-1D, Sulglycapin, mixts. containing 51218-45-2D, Metolachlor, mixts. containing 51218-49-6D, Pretilachlor, mixts. containing 51235-04-2D, Hexazinone, mixts. containing 51276-47-2D, Glufosinate, mixts. containing 51528-03-1D, Prosulfalin, mixts. containing 51596-10-2D, Milbemectin, mixts. containing 51630-58-1D, Fenvalerate, mixts. containing 51707-55-2D, Thidiazuron, mixts. containing 52315-07-8D, Zeta-cypermethrin, mixts. containing 52570-16-8D, Naproanilide, mixts. containing 52645-53-1D, Permethrin, mixts. containing 52888-80-9D, Prosulfocarb, mixts. containing 52918-63-5D, Deltamethrin, mixts. containing 53780-34-0D, Mefluidide, mixts. containing 54593-83-8D, Chlorethoxyfos, mixts. containing 55283-68-6D, Ethalfluralin, mixts. containing 55285-14-8D, Carbosulfan, mixts. containing 55335-06-3D, Triclopyr, mixts. containing 55511-98-3D, Buthidazole, mixts. containing 55512-33-9D, Pyridate, mixts. containing 55634-91-8D, Alloxymid, mixts. containing 55807-46-0D, Monisouron, mixts. containing 55808-13-4D, Carboxazole, mixts. containing 55861-78-4D, Isouron, mixts. containing 56141-00-5D, Cambendichlor, mixts. containing 57052-04-7D, Isomethiozin, mixts. containing 57375-63-0D, Phenisopham, mixts. containing 57801-46-4D, Methalpropanin, mixts. containing 58011-68-0D, Pyrazolynate, mixts. containing 58138-08-2D, Tridiphane, mixts. containing 58594-74-4D, Trifop, mixts. containing 58667-63-3D, Flamprop, mixts. containing 59026-08-3D, Epronaz, mixts. containing 59669-26-0D, Thiodicarb, mixts. containing 59682-52-9D, Fosamine, mixts. containing 59756-60-4D, Fluridone, mixts. containing 60074-25-1D, Chlorazifop, mixts. containing 61213-25-0D, Flurochloridone, mixts. containing 61432-55-1D, Dimepiperate, mixts. containing 62850-32-2D, Fenothiocarb, mixts. containing 63114-77-2D, Xylachlor, mixts. containing 63935-38-6D, Cycloprothrin, mixts. containing 64249-01-0D, Anilofos, mixts. containing 64628-44-0D, Triflumuron, mixts. containing 64902-72-3D, Chlorsulfuron, mixts. containing 66230-04-4D, Esfenvalerate, mixts. containing 66841-25-6D, Tralomethrin, mixts. containing 67129-08-2D, Metazachlor, mixts. containing 67375-30-8D, Alpha-cypermethrin, mixts. containing 68049-83-2D, Azafenidin, mixts. containing 68085-85-8D, Clopythrin, mixts. containing 68228-19-3D, Eglinazone, mixts. containing 68228-20-6D, Proglinazone, mixts. containing 68359-37-5D, Beta-cyfluthrin, mixts. containing 68505-69-1D, Benfuresate, mixts. containing 68672-17-3D, Benzofluor, mixts. containing 68925-41-7D, Tioclorim, mixts. containing 69148-12-5D, Cliodinate, mixts. containing 69327-76-0D, Buprofezin, mixts. containing 69335-91-7D, Fluazifop, mixts. containing 69377-81-7D, Fluroxypyr, mixts. containing 69806-34-4D, Haloxypyr, mixts. containing 70124-77-5D, Flucythrinate, mixts. containing 70288-86-7D, Ivermectin, mixts. containing 71422-67-8D, Chlorfluazuron, mixts. containing 71561-11-0D, Pyrazoxyfen, mixts. containing 71751-41-2D, Abamectin, mixts. containing 72131-76-1D, Trifopside, mixts. containing 72178-02-0D, Fomesafen, mixts. containing 72490-01-8D, Fenoxycarb, mixts. containing 73250-68-7D, Mefenacet, mixts. containing 73519-50-3D, Fenthiaprop, mixts. containing 74051-80-2D, Sethoxydim, mixts. containing 74070-46-5D, Aclonifen, mixts. containing 74115-24-5D, Clofentezine, mixts. containing 74223-56-6D, Sulfometuron, mixts. containing 74712-19-9D,

Bromobutide, mixts. containing 76120-02-0D, Etnipromid, mixts. containing 76578-12-6D, Quizalofop, mixts. containing 76636-10-7D, Amibuzin, mixts. containing 76703-62-3D, Gamma-cyhalothrin, mixts. containing 77227-69-1D, Halosafen, mixts. containing 77501-60-1D, Fluoroglycofen, mixts. containing 77501-63-4D, Lactofen, mixts. containing 78168-93-1D, Ametridione, mixts. containing 78357-48-9D, Fenasulam, mixts. containing 78587-05-0D,

Hexythiazox,

mixts. containing 78863-62-4D, Flufenican, mixts. containing 79277-67-1D, Thifensulfuron, mixts. containing 79510-48-8D, Metsulfuron, mixts. containing **79538-32-2D**, Tefluthrin, mixts. containing 79540-50-4D, Etobenzanid, mixts. containing

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(pesticide combinations with GABA useful for alleviating stress

conditions for desirable plants, and for weed and pest control)

IT 79622-59-6D, Fluazinam, mixts. containing 79637-88-0D, Chloethocarb, mixts. containing 80020-41-3D, Furyloxyfen, mixts. containing 80060-09-9D, Diafenthiuron, mixts. containing 80844-07-1D, Ethofenprox, mixts. containing 81334-34-1D, Imazapyr, mixts. containing 81335-37-7D, Imazaquin, mixts. containing 81335-77-5D, Imazethapyr, mixts. containing 81416-44-6D, Difenopenten, mixts. containing 81777-89-1D, Clomazone, mixts. containing 82097-50-5D, Triasulfuron, mixts. containing 82558-50-7D, Isoxaben, mixts. containing 82560-54-1D, Benfuracarb, mixts. containing 82657-04-3D, Bifenthrin, mixts. containing 82692-44-2D, Benzofenap, mixts. containing 83066-88-0D, Fluazifop-P, mixts. containing 83121-18-0D, Teflubenzuron, mixts. containing 83130-01-2D, Alanycarb, mixts. containing 83164-33-4D, Diflufenican, mixts. containing 84087-01-4D, Quinclorac, mixts. containing 84478-52-4D, Flumipropyn, mixts. containing 84496-56-0D, Clomeprop, mixts. containing 85785-20-2D, Esprocarb, mixts. containing 86479-06-3D, Hexaflumuron, mixts. containing 86763-47-5D, Propisochlor, mixts. containing 87310-56-3D, Butenachlor, mixts. containing 87392-12-9D, S-Metolachlor, mixts. containing 87547-04-4D, Flumiclorac, mixts. containing 87674-68-8D, Dimethenamid, mixts. containing 87757-18-4D, Isoxapyrifop, mixts. containing 87818-31-3D, Cinmethylin, mixts. containing 87820-88-0D, Tralkoxydim, mixts. containing 88485-37-4D, Fluxofenim, mixts. containing 88678-67-5D, Pyributicarb, mixts. containing 89784-60-1D, Pyraclofos, mixts. containing 90134-59-1D, Flamprop-M, mixts. containing 90717-03-6D, Quinmerac, mixts. containing 94051-08-8D, Quizalofop-P, mixts. containing 94125-34-5D, Prosulfuron, mixts. containing 94593-91-6D, Cinosulfuron, mixts. containing 95465-99-9D, Cadusafos, mixts. containing 95480-33-4D, Cloproxydim, mixts. containing 95617-09-7D, Fenoxaprop, mixts. containing 95737-68-1D, Pyriproxyfen, mixts. containing 95977-29-0D, Haloxyfop-P, mixts. containing 96182-53-5D, Tebupirimphos, mixts. containing 96489-71-3D, Pyridaben, mixts. containing 96491-05-3D, Thenylchlor, mixts. containing 96525-23-4D, Flurtamone, mixts. containing 97886-45-8D, Dithiopyr, mixts. containing 98389-04-9D, Pyrazosulfuron, mixts. containing 98886-44-3D, Fosthiazate, mixts. containing 98967-40-9D, Flumetsulam, mixts. containing 99105-77-8D, Sulcotrione, mixts. containing 99129-21-2D, Clethodim, mixts. containing 99283-00-8D, Chlorimuron, mixts. containing 99283-01-9D, Bensulfuron, mixts. containing 99485-76-4D, Cumyluron, mixts. containing 99662-11-0D, Nipyraclofen, mixts. containing 100728-84-5D, Imazamethabenz, mixts. containing

101007-06-1D, Acrinathrin, mixts. containing 101205-02-1D, Cycloxydim, mixts. containing 101463-69-8D, Flufenoxuron, mixts. containing

103055-07-8D,

Lufenuron, mixts. containing 103361-09-7D, Flumioxazin, mixts. containing 104040-78-0D, Flazasulfuron, mixts. containing 104098-48-8D, Imazapic, mixts. containing **104206-82-8D**, Mesotrione, mixts. containing 105024-66-6D, Silafluofen, mixts. containing 105779-78-0D, Pyrimidifen, mixts. containing 106040-48-6D, Tribenuron, mixts. containing 106700-29-2D, Pethoxamid, mixts. containing 107713-58-6D, Flufenprox, mixts. containing 110956-75-7D, Pentoxazone, mixts. containing 111353-84-5D, Ethametsulfuron, mixts. containing 111479-05-1D, Propaquizafop, mixts. containing

111578-32-6D,

Metobenzuron, mixts. containing 111872-58-3D, Brofenprox, mixts. containing 111988-49-9D, Thiacloprid, mixts. containing 111991-09-4D, Nicosulfuron, mixts. containing 112143-82-5D, Triazamate, mixts. containing 112410-23-8D, Tebufenozide, mixts. containing 113036-87-6D, Primisulfuron, mixts. containing 113036-88-7D, Flucyclohexuron, mixts. containing 113158-40-0D, Fenoxaprop-P, mixts. containing 113507-06-5D, Moxidectin, mixts. containing 113614-08-7D, Beflubutamid, mixts. containing 114311-32-9D, Imazamox, mixts. containing 114420-56-3D, Clodinafop, mixts. containing 117704-25-3D, Doramectin, mixts. containing 117718-60-2D, Thiazopir, mixts. containing 119126-15-7D,

Flupoxam, mixts. containing 119168-77-3D, Fenpyrad, mixts. containing 119791-41-2D, Emamectin, mixts. containing 120068-37-3D, Fipronil, mixts. containing 120162-55-2D, Azimsulfuron, mixts. containing 120923-37-7D, Amidosulfuron, mixts. containing 120928-09-8D, Fenazaquin, mixts. containing 120955-77-3D, NC 184, mixts. containing 122008-78-0D, Cyhalofop, mixts. containing 122548-33-8D, Imazosulfuron, mixts. containing 122836-35-5D, Sulfentrazone, mixts. containing 122931-48-0D, Rimsulfuron, mixts. containing 123249-43-4D, Thidiazimin, mixts. containing 123312-89-0D, Pymetrozine, mixts. containing 123342-93-8D, Pyriithobac, mixts. containing 125306-83-4D, Cafenstrole, mixts. containing 125401-75-4D, Bispyribac, mixts. containing 126801-58-9D, Ethoxysulfuron, mixts. containing 128621-72-7D, Carfentrazone, mixts. containing 129496-10-2D, mixts. containing 129630-17-7D, Pyraflufen, mixts. containing 129909-90-6D, Amicarbazone, mixts. containing 131475-57-5D, Triaziflam, mixts. containing 133220-30-1D, Indanofan, mixts. containing 134098-61-6D, Fenpyroximate, mixts. containing 135186-78-6D, Pyrifthalid, mixts. containing 135397-30-7D, Halosulfuron, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing 135990-29-3D, Triflusulfuron, mixts. containing 136191-56-5D, Pyriminobac, mixts. containing 136849-15-5D, Cyclosulfamuron, mixts. containing 137641-05-5D, Picolinafen, mixts. containing 138164-12-2D, Butoxydim, mixts. containing 138261-41-3D, Imidacloprid, mixts. containing 139001-49-3D, Profoxydim, mixts. containing 139528-85-1D, Metosulam, mixts. containing 141112-06-3D, Isoxachlortole, mixts. containing 141112-29-0D, Isoxaflutole, mixts. containing 141776-32-1D, Sulfosulfuron, mixts. containing 142459-58-3D, Flufenacet, mixts. containing 142469-14-5D, Tritosulfuron, mixts. containing 142891-20-1D, Cinidon-ethyl, mixts. containing 144651-06-9D, Oxasulfuron, mixts. containing 145026-81-9D, Propoxycarbazone, mixts. containing 145026-88-6D, Flucarbazone, mixts. containing 145099-21-4D, Trifloxysulfuron, mixts. containing 145701-21-9D, Diclosulam, mixts. containing 145701-23-1D, Florasulam, mixts. containing 149253-65-6D, Fluthiacet, mixts. containing 149979-41-9D, Tepraloxym, mixts. containing 150114-71-9D, Aminopyralid, mixts. containing 150315-10-9D, Flupyrsulfuron, mixts. containing 150824-47-8D, Nitenpyram, mixts. containing 153197-14-9D, Oxaziclonofone, mixts. containing **153719-23-4D**, Thiamethoxam, mixts. containing 156963-66-5D, Benzobicyclon, mixts. containing 158237-07-1D, Fentrazamide, mixts. containing 159518-97-5D, Cloransulam, mixts. containing 163515-14-8D, Dimethenamid-P, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing 168088-61-7D, Pyribenzoxim, mixts. containing 168316-95-8D, Spinosad, mixts. containing 173159-57-4D, Foramsulfuron, mixts. containing 173980-17-1D, Bencarbazone, mixts. containing 174514-07-9D, Fluazolate, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 185119-76-0D, Iodosulfuron,

mixts. containing 188490-07-5D, Flufenpyr, mixts. containing 188634-90-4D, Ethoxyfen, mixts. containing 190314-43-3D, Profluazol, mixts. containing 210631-68-8D, Topramezone, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 213464-77-8D, Orthosulfamuron, mixts. containing 219714-96-2D, Penoxsulam, mixts. containing 221205-90-9D, Pyrimisulfan, mixts. containing 243973-20-8D, Pinoxaden, mixts. containing 255725-89-4D, Dicliphos, mixts. containing 256412-89-2D, Metamifop, mixts. containing 272451-65-7D, Flubendiamide, mixts. containing 335104-84-2D, Tembotrione, mixts. containing 365400-11-9D, Pyrasulfotole, mixts. containing 372137-35-4D, Saflufenacil, mixts. containing 400852-66-6D, Mesosulfuron, mixts. containing 400852-67-7D, Diethamquat, mixts. containing 412928-75-7D, Flucetosulfuron, mixts. containing 422556-08-9D, Pyroxsulam, mixts. containing 447399-55-5D, Pyroxasulfone, mixts. containing 473278-76-1D, Tefuryltrione, mixts. containing 500008-45-7D, Chlorantraniliprole, mixts. containing 858956-08-8D, Aminocyclopyrachlor, mixts. containing 875655-36-0D, Butylpyridaben, mixts. containing 914987-23-8D, Thiafenox, mixts. containing 936331-72-5D, Thiencarbazone, mixts. containing 1210056-80-6, GABA-glyphosate mixture 1210056-82-8 1210056-84-0 1210056-85-1 1210056-87-3, GABA-imidacloprid mixture

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (pesticide combinations with GABA useful for alleviating stress conditions for desirable plants, and for weed and pest control)

AB Embodiments herein provide the formulation and use of gamma-aminobutyric acid ("GABA") in combination with one or more of a herbicide and an insecticide. In one embodiment, the herbicide is glyphosate; in another, the insecticide is imidacloprid. Methods and formulations described and claimed herein may be useful for encouraging growth of desired plants while discouraging the growth of undesirable plants and/or pests. Method and formulations described and claimed herein may be useful for alleviating stress conditions for desirable plants, and for decreasing yield losses resulting from application of herbicides and/or insecticides.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

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ACCESSION NUMBER: 2008:1299737 CAPLUS
 DOCUMENT NUMBER: 149:507223
 TITLE: Improving the productivity of transgenic plants by use of herbicides, fungicides, or insecticides
 INVENTOR(S): Voeste, Dirk; Haden, Egon; McKersie, Bryan; Wang, Xi-Qing; Hudelson, Timothy
 PATENT ASSIGNEE(S): BASF SE, Germany
 SOURCE: PCT Int. Appl., 218pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008129060	A2	20081030	WO 2008-EP54924	20080423
WO 2008129060	A3	20090219		

W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,
 IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK,
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
 TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,
 AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

AU 2008240710	A1	20081030	AU 2008-240710	20080423
CA 2682294	A1	20081030	CA 2008-2682294	20080423
EP 2076602	A2	20090708	EP 2008-749670	20080423

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,
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 SK, TR, AL, BA, MK, RS

AR 67311	A1	20091007	AR 2008-101719	20080423
KR 2010015796	A	20100212	KR 2009-7022070	20080423
JP 2010524483	T	20100722	JP 2010-504673	20080423
IN 2009KN03308	A	20100709	IN 2009-KN3308	20090917
US 20100093715	A1	20100415	US 2009-596856	20091021
MX 2009011456	A	20091105	MX 2009-11456	20091023
CN 101668860	A	20100310	CN 2008-80013248	20091023

PRIORITY APPLN. INFO.:

US 2007-913349P	P	20070423
WO 2008-EP54924	W	20080423

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

IT 60-51-5D, Dimethoate, binary mixts. 62-73-7D, Dichlorvos, binary mixts.
 63-25-2D, Carbaryl, binary mixts. 94-75-7D, 2,4-D, binary mixts.
 115-29-7D, Endosulfan, binary mixts. 116-06-3D, Aldicarb, binary mixts.
 122-14-5D, Fenitrothion, binary mixts. 133-06-2D, Captan, binary mixts.
 133-07-3D, Folpet, binary mixts. 137-26-8D, Thiram, binary mixts.
 298-00-0D, Methylparathion, binary mixts. 298-02-2D, Phorate, binary
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 1689-84-5D, Bromoxynil, binary mixts. 1698-60-8D, Chloridazon, binary
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 Chlorothalonil, binary mixts. 1912-24-9D, Atrazine, binary mixts.
 1918-00-9D, Dicamba, binary mixts. 1918-02-1D, Picloram, binary mixts.
2921-88-2D, Chlorpyrifos, binary mixts. 3347-22-6D, Dithianon,
 binary mixts. 4685-14-7D, Paraquat, binary mixts. 6923-22-4D,
 Monocrotophos, binary mixts. 8018-01-7D, Mancozeb, binary mixts.
 9006-42-2D, Metiram, binary mixts. 10265-92-6D, binary mixts.
 10605-21-7D, Carbendazim, binary mixts. 12427-38-2D, Maneb, binary
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 Fenbutatin oxide, binary mixts. 13684-63-4D, Phenmedipham, binary mixts.
 15845-66-6D, Fosetyl, binary mixts. 16752-77-5D, Methomyl, binary mixts.
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 35367-38-5D, Diflubenzuron, binary mixts. 36734-19-7D, Iprodione, binary
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 Pendimethalin, binary mixts. 41198-08-7D, Profenofos, binary mixts.
 50471-44-8D, Vinclozolin, binary mixts. 50594-66-6D, Acifluorfen, binary
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 Hexazinone, binary mixts. 51276-47-2D, Glufosinate, binary mixts.
 52315-07-8D, Cypermethrin, binary mixts. 52645-53-1D, Permethrin, binary
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 57837-19-1D, Metalaxyl, binary mixts. 57966-95-7D, Cymoxanil, binary
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mixts. 69335-91-7D, Fluazifop, binary mixts. 69377-81-7D, Fluroxypyr, binary mixts. 69806-34-4D, Haloxyfop, binary mixts. 71751-41-2D, Abamectin, binary mixts. 74051-80-2D, Sethoxydim, binary mixts. 74223-64-6D, Metsulfuronmethyl, binary mixts. 76674-21-0D, Flutriafol, binary mixts. **79538-32-2D**, Tefluthrin, binary mixts. 79622-59-6D, Fluazinam, binary mixts. 81334-34-1D, Imazapyr, binary mixts. 81335-37-7D, Imazaquin, binary mixts. 81335-77-5D, Imazethapyr, binary mixts. 81412-43-3D, Tridemorph, binary mixts. 81591-81-3D, Sulfosate, binary mixts. 82657-04-3D, Bifenthrin, binary mixts. 83121-18-0D, Teflubenzuron, binary mixts. 84087-01-4D, Quinclorac, binary mixts. 85509-19-9D, Flusilazole, binary mixts. 87674-68-8D, Dimethenamid, binary mixts. 87818-31-3D, Cinmethylin, binary mixts. 88671-89-0D, Myclobutanil, binary mixts. 90717-03-6D, Quinmerac, binary mixts. 90982-32-4D, Chlorimuron ethyl, binary mixts. 95617-09-7D, Fenoxaprop, binary mixts. 99129-21-2D, Clethodim, binary mixts. 99283-01-9D, Bensulfuron, binary mixts. 100728-84-5D, Imazamethabenz, binary mixts. 101205-02-1D, Cycloxydim, binary mixts. 101463-69-8D, Flufenoxuron, binary mixts. 103055-07-8D, Lufenuron, binary mixts. 104098-48-8D, Imazapic, binary mixts. **104206-82-8D**, Mesotrione, binary mixts. 107534-96-3D, Tebuconazole, binary mixts. 109293-97-2D, Diflufenzopyr, binary mixts. 110488-70-5D, Dimethomorph, binary mixts. 111988-49-9D, Thiachloprid, binary mixts. 111991-09-4D, Nicosulfuron, binary mixts. 112281-77-3D, Tetraconazole, binary mixts. 114311-32-9D, Imazamox, binary mixts. 114420-56-3D, Clodinafop, binary mixts. 118134-30-8D, Spiroxamine, binary mixts. 119446-68-3D, Difenconazole, binary mixts. 119791-41-2D, Emamectin, binary mixts. 120068-37-3D, Fipronil, binary mixts. 121552-61-2D, Cyprodinil, binary mixts. 122453-73-0D, Chlorfenapyr, binary mixts. 122931-48-0D, Rimsulfuron, binary mixts. 125116-23-6D, Metconazole, binary mixts. 131341-86-1D, Fludioxonil, binary mixts. 131807-57-3D, Famoxadone, binary mixts. 131860-33-8D, Azoxystrobin, binary mixts. 131983-72-7D, Triticonazole, binary mixts. 133855-98-8D, Epoxiconazole, binary mixts. 135410-20-7D, Acetamiprid, binary mixts. 135990-29-3D, Triflusulfuron, binary mixts. 136426-54-5D, Fluquinconazole, binary mixts. 136849-15-5D, Cyclosulfamuron, binary mixts. 137641-05-5D, Picolinafen, binary mixts. 138261-41-3D, Imidacloprid, binary mixts. 139001-49-3D, Profoxydim, binary mixts. 139968-49-3D, Metaflumizone, binary mixts. 141517-21-7D, Trifloxystrobin, binary mixts. 142891-20-1D, Cinidonethyl, binary mixts. 143390-89-0D, Kresoximmethyl, binary mixts. 145701-23-1D, Florasulam, binary mixts. 149961-52-4D, Dimoxystrobin, binary mixts. 149979-41-9D, Tepraloxym, binary mixts. **153719-23-4D**, Thiamethoxam, binary mixts. 158062-67-0D, Flonicamid, binary mixts. 165252-70-0D, Dinotefuran, binary mixts. 168316-95-8D, Spinosad, binary mixts. 173584-44-6D, Indoxacarb, binary mixts. 175013-18-0D, Pyraclostrobin, binary mixts. 178928-70-6D, Prothioconazole, binary mixts. 183675-82-3D, Penthiopyrad, binary mixts. 185119-76-0D, Iodosulfuron, binary mixts. 188425-85-6D, Boscalid, binary mixts. 203313-25-1D, Spirotetramat, binary mixts. 210631-68-8D, Topramezone, binary mixts. 210880-92-5D, Clothianidin, binary mixts. 220899-03-6D, Metrafenone, binary mixts. 239110-15-7D, Fluopicolide, binary mixts. 248593-16-0D, Orysastrobin, binary mixts. 272451-65-7D, Flubendiamide, binary mixts. 372137-35-4D, Saflufenacil, binary mixts. 400852-66-6D, Mesosulfuron, binary mixts. 400882-07-7D, Cyflumetofen, binary mixts. 447399-55-5D, Pyroxasulfone, binary mixts. 494793-67-8D, binary mixts. 500008-45-7D, Chlorantraniliprole, binary mixts. 581809-46-3D, Bixafen, binary mixts. 599194-51-1D, binary mixts. 599197-38-3D, binary mixts. 683777-14-2D, binary mixts. 736994-63-1D, Cyazypyr, binary mixts. 865318-97-4D, binary mixts. 874967-67-6D, binary mixts. 881685-58-1D, Isopyrazam, binary mixts. 907204-31-3D, binary mixts. 907204-32-4D, binary mixts. 935545-74-7D, Spinetoram, binary mixts. 949575-92-2D, binary mixts.

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(improving productivity of transgenic plants by use of herbicides, fungicides, or insecticides)

AB A method of improving the productivity of transgenic plants by use of pest control agents, including herbicides, fungicides, and insecticides, is described. The use of pest control agents allows the plant to put more resources into productivity, with improved growth and yield performance.

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD
(6 CITINGS)

L12 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2008:127789 CAPLUS

DOCUMENT NUMBER: 148:208198

TITLE: Preparation of pesticide controlled release granules

INVENTOR(S): Pearson, Andrew; Chow, Victor; Reynolds, Johnny;
Swanson, James

PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.

SOURCE: PCT Int. Appl., 30pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2008014185	A2	20080131	WO 2007-US73944	20070720
WO 2008014185	A3	20081218		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
AU 2007276884	A1	20080131	AU 2007-276884	20070720
CA 2657842	A1	20080131	CA 2007-2657842	20070720
EP 2046123	A2	20090415	EP 2007-799728	20070720
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS			
JP 2009544720	T	20091217	JP 2009-521913	20070720
ZA 2009000314	A	20100127	ZA 2009-314	20090114
KR 2009035714	A	20090410	KR 2009-7003700	20090223
CN 101505597	A	20090812	CN 2007-80031306	20090223
US 20100113269	A1	20100506	US 2009-374804	20091027
PRIORITY APPLN. INFO.:			US 2006-820137P	P 20060724
			WO 2007-US73944	W 20070720

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

IT 104206-82-8D, Mesotrione, copper chelate 352010-68-5
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)
(preparation of pesticide controlled release granules)

IT 7783-20-2, Ammonium sulfate, biological studies 60207-90-1,
Propiconazole 70630-17-0, Mefenoxam 131341-86-1, Fludioxonil
131860-33-8, Azoxystrobin 153719-23-4, Thiamethoxam
RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL

(Biological study); USES (Uses)
(preparation of pesticide controlled release granules)

AB The present invention relates to a pesticide controlled release granule technol., methods of preparing such a granule and methods for using the granule in the control of weeds present in turfgrass.

L12 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2007:696988 CAPLUS

DOCUMENT NUMBER: 147:89458

TITLE: Pesticide combinations including
dichloroisothiazolecarboxylic acid cyanoanilide for
rice fields

INVENTOR(S): Kamochi, Shuzo; Ukawa, Seiji; Sone, Shinsaburo;
Sakuma, Haruhiko; Sakurai, Tadashi

PATENT ASSIGNEE(S): Bayer Cropscience K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007161603	A	20070628	JP 2005-356542	20051209
KR 2007061438	A	20070613	KR 2006-124540	20061208
PRIORITY APPLN. INFO.:			JP 2005-356542	A 20051209

IT 114-26-1D, Propoxur, mixts. containing 1014-70-6D, Simetryn, mixts.
containing

2797-51-5D, Quinoclamine, mixts. containing 3766-81-2D, Fenobucarb, mixts.
containing 10265-92-6D, Methamidophos, mixts. containing 19666-30-9D,
Oxadiazone, mixts. containing 22936-75-0D, Dimethametryn, mixts. containing
23184-66-9D, Butachlor, mixts. containing 25057-89-0D, Bentazone, mixts.
containing 28249-77-6D, Benthocarb, mixts. containing 36335-67-8D,

Butamifos,
mixts. containing 39807-15-3D, Oxadiargyl, mixts. containing 42609-52-9D,
Dymron, mixts. containing 51218-49-6D, Pretilachlor, mixts. containing
55285-14-8D, Carbosulfan, mixts. containing 58011-68-0D, Pyrazolate, mixts.
containing 61432-55-1D, Dimepiperate, mixts. containing 63935-38-6D,

Cyclosal
(insecticide), mixts. containing 64249-01-0D, Anilofos, mixts. containing
68505-69-1D, Benfuresate, mixts. containing 71561-11-0D, Pyrazoxyfen, mixts.
containing 73250-68-7D, Mefenacet, mixts. containing 74712-19-9D,

Bromobutide,
mixts. containing 79540-50-4D, Etobenzanid, mixts. containing 80844-07-1D,
Etofenprox, mixts. containing 82560-54-1D, Benfuracarb, mixts. containing
82692-44-2D, Benzofenap, mixts. containing 83055-99-6D, Bensulfuron methyl,
mixts. containing 84496-56-0D, Clomeprop, mixts. containing 85785-20-2D,
Esprocarb, mixts. containing 88678-67-5D, Pyributicarb, mixts. containing
93697-74-6D, Pyrazosulfuron-ethyl, mixts. containing 96491-05-3D,
Thenylchlor, mixts. containing 97886-45-8D, Dithiopyr, mixts. containing
99485-76-4D, Cumyluron, mixts. containing **104206-82-8D**,
Mesotrione, mixts. containing 110956-75-7D, Pentoxazone, mixts. containing
111988-49-9D, Thiachloprid, mixts. containing 120068-37-3D, Fipronil, mixts.
containing 122008-85-9D, Cyhalofop-butyl, mixts. containing 122548-33-8D,
Imazosulfuron, mixts. containing 125306-83-4D, Cafenstrole, mixts. containing
126801-58-9D, Ethoxysulfuron, mixts. containing 133220-30-1D, Indanofan,
mixts. containing 135186-78-6D, Pyriftalid, mixts. containing 135397-30-7D,
Halosulfuron, mixts. containing 135410-20-7D, Acetamiprid, mixts. containing
136849-15-5D, Cyclosulfamuron, mixts. containing 138261-41-3D, Imidacloprid,
mixts. containing 147411-69-6D, Pyriminobac-methyl, mixts. containing
153197-14-9D, Oxaziclonefone, mixts. containing **153719-23-4D**,

Thiamethoxam, mixts. containing 156963-66-5D, Benzobicyclon, mixts. containing 158237-07-1D, Fentrazamide, mixts. containing 158353-15-2D, Pyraclonil, mixts. containing 165252-70-0D, Dinotefuran, mixts. containing 181587-01-9D, Ethiprole, mixts. containing 210880-92-5D, Clothianidin, mixts. containing 213464-77-8D, Orthosulfamuron, mixts. containing 219714-96-2D, Penoxsulam, mixts. containing 224049-04-1D, 3,4-Dichloroisothiazole-5-carboxylic acid 2-cyanoanilide, mixts. containing 259270-86-5D, HOK-201, mixts. containing 570415-88-2D, TH 547, mixts. containing 942130-88-3 942130-89-4
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(pesticides containing dichloroisothiazolecarboxylic acid cyanoanilide combined with herbicides and insecticides for rice fields)

AB Pesticides for rice contain 3,4-dichloroisothiazole-5-carboxylic acid 2-cyanoanilide (I) in combination with herbicidal and/or insecticidal compds. The mixed formulations or tank mixes may be applied simultaneously with rice seedling transplantation in the paddy field to save labor. Thus, water (25 weight parts) was added to a mixture of fentrazamide 3, bensulfuron Me 0.51, bromobutide 9, dymron 4.5, I 3, imidacloprid 3, bentonite (montmorillonite) 25, talc 48.99 and lignosulfonate 3 weight parts and kneaded well, extrusion granulated, and dried at 40-50° to make granules.

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L12 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2007:38258 CAPLUS

DOCUMENT NUMBER: 146:116375

TITLE: Crop-compatible herbicidal compositions comprising herbicides and safeners

INVENTOR(S): Rosinger, Christopher; Evans, Paul; Hacker, Erwin

PATENT ASSIGNEE(S): Bayer Cropscience GmbH, Germany

SOURCE: U.S. Pat. Appl. Publ., 29pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070010399	A1	20070111	US 2006-482087	20060706
DE 102005031787	A1	20070118	DE 2005-102005031787	20050707
AU 2006268972	A1	20070118	AU 2006-268972	20060627
CA 2614221	A1	20070118	CA 2006-2614221	20060627
WO 2007006416	A2	20070118	WO 2006-EP6181	20060627
WO 2007006416	A3	20070426		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
EP 1903863	A2	20080402	EP 2006-762208	20060627
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,			

IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, HR, YU			
JP 2008544998	T	20081211	JP 2008-519825 20060627
BR 2006012776	A2	20101130	BR 2006-12776 20060627
AR 53950	A1	20070523	AR 2006-102892 20060705
ZA 2007010845	A	20080925	ZA 2007-10845 20071213
MX 2008000069	A	20080319	MX 2008-69 20071219
CN 101217869	A	20080709	CN 2006-80024564 20080104
IN 2008CN00096	A	20080919	IN 2008-CN96 20080107
PRIORITY APPLN. INFO.:			DE 2005-102005031787A 20050707
			WO 2006-EP6181 W 20060627

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 146:116375

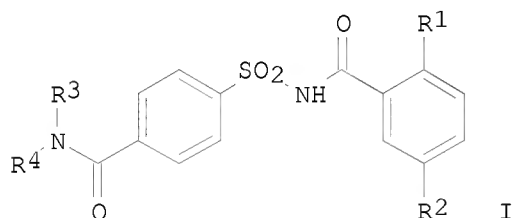
IT 94-74-6D, MCPA, mixts. with acylsulfamoylbenzamide derivative safeners
 94-75-7D, 2,4-D, mixts. with acylsulfamoylbenzamide derivative safeners
 94-81-5D, MCPB, mixts. with acylsulfamoylbenzamide derivative safeners
 133-06-2D, Captan, mixts. with herbicides and safeners 137-26-8D, TMTD,
 mixts. with herbicides and safeners 709-98-8D, Propanil, mixts. with
 acylsulfamoylbenzamide derivative safeners 759-94-4D, EPTC, mixts. with
 acylsulfamoylbenzamide derivative safeners 1071-83-6D, Glyphosate, mixts.
 with acylsulfamoylbenzamide derivative safeners 1689-84-5D, Bromoxynil,
 mixts. with acylsulfamoylbenzamide derivative safeners 1702-17-6D,
 Clopyralid, mixts. with acylsulfamoylbenzamide derivative safeners
 1912-24-9D, Atrazine, mixts. with acylsulfamoylbenzamide derivative safeners
 1918-00-9D, Dicamba, mixts. with acylsulfamoylbenzamide derivative safeners
 1918-02-1D, Picloram, mixts. with acylsulfamoylbenzamide derivative safeners
 2032-65-7D, Methiocarb, mixts. with herbicides and safeners 5915-41-3D,
 Terbutylazine, mixts. with acylsulfamoylbenzamide derivative safeners
 10605-21-7D, Carbendazim, mixts. with herbicides and safeners
 21087-64-9D, Metribuzin, mixts. with acylsulfamoylbenzamide derivative
 safeners 25057-89-0D, Bentazone, mixts. with acylsulfamoylbenzamide
 derivative safeners 34256-82-1D, Acetochlor, mixts. with
 acylsulfamoylbenzamide derivative safeners 36734-19-7D, Iprodione, mixts.
 with herbicides and safeners 40487-42-1D, Pendimethalin, mixts. with
 acylsulfamoylbenzamide derivative safeners 51276-47-2D, Glufosinate, mixts.
 with acylsulfamoylbenzamide derivative safeners 51338-27-3D, Diclofopmethyl,
 mixts. with acylsulfamoylbenzamide derivative safeners 55219-65-3D,
 Triadimenol, mixts. with herbicides and safeners 55335-06-3D, Triclopyr,
 mixts. with acylsulfamoylbenzamide derivative safeners 55634-91-8D,
 Alloxymid, mixts. with acylsulfamoylbenzamide derivative safeners
 57837-19-1D, Metalaxyl, mixts. with herbicides and safeners
 59669-26-0D, Thiodicarb, mixts. with herbicides and safeners
 64902-72-3D, Chlorsulfuron, mixts. with acylsulfamoylbenzamide derivative
 safeners 68359-37-5D, Betacyfluthrin, mixts. with herbicides and
 safeners 69377-81-7D, Fluroxypyr, mixts. with acylsulfamoylbenzamide
 derivative safeners 69806-40-2D, Haloxyfopmethyl, mixts. with
 acylsulfamoylbenzamide derivative safeners 70630-17-0D, Mefenoxam, mixts.
 with herbicides and safeners 71283-80-2D, mixts. with
 acylsulfamoylbenzamide derivative safeners 72178-02-0D, Fomesafen, mixts.
 with acylsulfamoylbenzamide derivative safeners 72619-32-0D, mixts. with
 acylsulfamoylbenzamide derivative safeners 74051-80-2D, Sethoxydim, mixts.
 with acylsulfamoylbenzamide derivative safeners 74223-56-6D, Sulfometuron,
 mixts. with acylsulfamoylbenzamide derivative safeners 79241-46-6D, mixts.
 with acylsulfamoylbenzamide derivative safeners 79277-67-1D, Thifensulfuron,
 mixts. with acylsulfamoylbenzamide derivative safeners 79510-48-8D,
 Metsulfuron, mixts. with acylsulfamoylbenzamide derivative safeners
 81334-34-1D, Imazapyr, mixts. with acylsulfamoylbenzamide derivative safeners
 81335-37-7D, Imazaquin, mixts. with acylsulfamoylbenzamide derivative safeners
 81335-77-5D, Imazethapyr, mixts. with acylsulfamoylbenzamide derivative
 safeners 81777-89-1D, Clomazone, mixts. with acylsulfamoylbenzamide
 derivative safeners 82097-50-5D, Triasulfuron, mixts. with
 acylsulfamoylbenzamide derivative safeners 87237-48-7D, Haloxyfopetotyl,
 mixts. with acylsulfamoylbenzamide derivative safeners 87392-12-9D,

S-Metolachlor, mixts. with acylsulfamoylbenzamide derivative safeners 87547-04-4D, Flumiclorac, mixts. with acylsulfamoylbenzamide derivative safeners 87820-88-0D, Tralkoxydim, mixts. with acylsulfamoylbenzamide derivative safeners 94125-34-5D, Prosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 98389-04-9D, Pyrazosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 98967-40-9D, Flumetsulam, mixts. with acylsulfamoylbenzamide derivative safeners 99105-77-8D, Sulcotrione, mixts. with acylsulfamoylbenzamide derivative safeners 99129-21-2D, Clethodim, mixts. with acylsulfamoylbenzamide derivative safeners 99283-00-8D, Chlorimuron, mixts. with acylsulfamoylbenzamide derivative safeners 99283-01-9D, Bensulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 100646-51-3D, mixts. with acylsulfamoylbenzamide derivative safeners 103361-09-7D, Flumioxazin, mixts. with acylsulfamoylbenzamide derivative safeners 104040-78-0D, Flazasulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 104098-48-8D, Imazapic, mixts. with acylsulfamoylbenzamide derivative safeners **104206-82-8D**, Mesotrione, mixts. with acylsulfamoylbenzamide derivative safeners 105512-06-9D, Clodinafoppropargyl, mixts. with acylsulfamoylbenzamide derivative safeners 106040-48-6D, Tribenuron, mixts. with acylsulfamoylbenzamide derivative safeners 107534-96-3D, Tebuconazole, mixts. with herbicides and safeners 111479-05-1D, Propaquizafop, mixts. with acylsulfamoylbenzamide derivative safeners 111991-09-4D, Nicosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 113036-87-6D, Primisulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 114311-32-9D, Imazamox, mixts. with acylsulfamoylbenzamide derivative safeners 119738-06-6D, mixts. with acylsulfamoylbenzamide derivative safeners 120068-37-3D, Fipronil, mixts. with herbicides and safeners 120162-55-2D, Azimsulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 120923-37-7D, Amidosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 122008-85-9D, Cyhalofopbutyl, mixts. with acylsulfamoylbenzamide derivative safeners 122836-35-5D, Sulfentrazone, mixts. with acylsulfamoylbenzamide derivative safeners 122931-48-0D, Rimsulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 125225-28-7D, Ipconazole, mixts. with herbicides and safeners 125401-75-4D, Bispyribac, mixts. with acylsulfamoylbenzamide derivative safeners 126801-58-9D, Ethoxysulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 131341-86-1D, Fludioxonil, mixts. with herbicides and safeners 131860-33-8D, Azoxystrobin, mixts. with herbicides and safeners 131983-72-7D, Triticonazole, mixts. with herbicides and safeners 135397-30-7D, Halosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 136426-54-5D, Fluquinconazole, mixts. with herbicides and safeners 136849-15-5D, Cyclosulfamuron, mixts. with acylsulfamoylbenzamide derivative safeners 138261-41-3D, Imidacloprid, mixts. with herbicides and safeners 139528-85-1D, Metosulam, mixts. with acylsulfamoylbenzamide derivative safeners 141517-21-7D, Trifloxystrobin, mixts. with herbicides and safeners 141776-32-1D, Sulfosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 142469-14-5D, Tritosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 145026-81-9D, Propoxycarbazone, mixts. with acylsulfamoylbenzamide derivative safeners 145026-88-6D, Flucarbazone, mixts. with acylsulfamoylbenzamide derivative safeners 145701-23-1D, Florasulam, mixts. with acylsulfamoylbenzamide derivative safeners 147150-35-4D, Cloransulammethyl, mixts. with acylsulfamoylbenzamide derivative safeners 149979-41-9D, Tepraloxydim, mixts. with acylsulfamoylbenzamide derivative safeners 150315-10-9D, Flupyrsulfuron, mixts. with acylsulfamoylbenzamide derivative safeners **153719-23-4D**, Thiamethoxam, mixts. with herbicides and safeners 173159-57-4D, Foramsulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 178928-70-6D, Prothioconazole, mixts. with herbicides and safeners 181587-01-9D, Ethiprole, mixts. with herbicides and safeners 185119-76-0D, Iodosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 210631-68-8D, Topramezone, mixts. with acylsulfamoylbenzamide

derivative safeners 210880-92-5D, ,Clothianidin, mixts. with herbicides and safeners 221667-31-8D, mixts. with herbicides 221667-43-2D, mixts. with herbicides 221668-34-4D, mixts. with herbicides 361377-29-9D, Fluoxastrobin, mixts. with herbicides and safeners 400852-66-6D, Mesosulfuron, mixts. with acylsulfamoylbenzamide derivative safeners 494793-67-8D, mixts. with herbicides and safeners 500905-98-6D, mixts. with herbicides 659729-06-3 918338-38-2 918338-39-3 918338-40-6 918338-41-7 918338-42-8 918338-43-9 918338-44-0 918338-45-1 918338-48-4 918338-51-9 918338-53-1 918338-55-3 918338-58-6 918338-61-1 918338-63-3 918338-67-7 918338-68-8 918338-69-9 918338-70-2 918338-72-4 918338-75-7 918338-78-0 918338-80-4 918338-81-5 918338-82-6 918338-84-8 918338-85-9 918338-87-1 918338-88-2 918338-89-3 918338-90-6 918338-92-8 918338-93-9 918338-95-1

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(safened herbicidal composition)

GI



AB The title compns. comprise a herbicide, a safening acylsulfamoylbenzamide derivative I (R1 = Me, MeO or F3CO; R2 = H, Cl or Me; R3 = H, Et or propargyl; R4 = H, cyclopropyl, iso-Pr or propargyl) and, optionally a fungicide and/or insecticide. The compns. are active against monocotyledonous and/or dicotyledonous weeds.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L12 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2005:523211 CAPLUS

DOCUMENT NUMBER: 143:39502

TITLE: Herbicidal combinations comprising a HPPD-inhibiting herbicide and an insecticide

INVENTOR(S): Rueegg, Willy Thaddaeus; Urwiler, Michael Joseph; Clemens, Christoppher Glen

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005053407	A1	20050616	WO 2004-EP12417	20041103
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO,
 SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

CA 2546408 A1 20050616 CA 2004-2546408 20041103
 EP 1703792 A1 20060927 EP 2004-797556 20041103

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS

AR 47133 A1 20060111 AR 2004-104422 20041129
 US 20080058212 A1 20080306 US 2007-580363 20070129

PRIORITY APPLN. INFO.: US 2003-526053P P 20031201
 US 2004-545302P P 20040217
 WO 2004-EP12417 W 20041103

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 143:39502

IT 1912-24-9D, Atrazine, mesotrione-Cu and S-metolachlor and benoxacor mixture
 containing 7440-50-8D, Copper, mesotrione complexes, mixture containing
 87392-12-9D, S-Metolachlor, mesotrione-Cu and benoxacor mixture containing
 98730-04-2D, Benoxacor, mesotrione-Cu and S-metolachlor mixture containing
104206-82-8D, Mesotrione, copper complexes, mixture containing
104206-82-8D, Mesotrione, mixts. with insecticides 156963-66-5D,
 mixts. with insecticides 187270-87-7D, mixts. with insecticides
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (herbicidal combination)

IT 50-29-3D, mixts. with HPPD-inhibiting herbicides 52-68-6D, mixts. with
 HPPD-inhibiting herbicides 54-11-5D, Nicotine, mixts. with
 HPPD-inhibiting herbicides 55-38-9D, Fenthion, mixts. with
 HPPD-inhibiting herbicides 56-23-5D, Carbon tetrachloride, mixts. with
 HPPD-inhibiting herbicides 56-38-2D, Parathion, mixts. with
 HPPD-inhibiting herbicides 56-72-4D, Coumaphos, mixts. with
 HPPD-inhibiting herbicides 58-89-9D, GammaHCH, mixts. with
 HPPD-inhibiting herbicides 60-51-5D, Dimethoate, mixts. with
 HPPD-inhibiting herbicides 60-57-1D, Dieldrin, mixts. with
 HPPD-inhibiting herbicides 62-73-7D, Dichlorovos, mixts. with
 HPPD-inhibiting herbicides 63-25-2D, Carbaryl, mixts. with
 HPPD-inhibiting herbicides 70-38-2D, Dimethrin, mixts. with
 HPPD-inhibiting herbicides 72-43-5D, Methoxychlor, mixts. with
 HPPD-inhibiting herbicides 72-54-8D, TDE, mixts. with HPPD-inhibiting
 herbicides 74-83-9D, Methyl bromide, mixts. with HPPD-inhibiting
 herbicides 74-90-8D, Hydrogen cyanide, mixts. with HPPD-inhibiting
 herbicides 75-15-0D, Carbon disulfide, mixts. with HPPD-inhibiting
 herbicides 76-06-2D, Chloropicrin, mixts. with HPPD-inhibiting
 herbicides 76-44-8D, Heptachlor, mixts. with HPPD-inhibiting herbicides
 78-34-2D, Dioxathion, mixts. with HPPD-inhibiting herbicides 78-53-5D,
 Amiton, mixts. with HPPD-inhibiting herbicides 78-57-9D, Menazon, mixts.
 with HPPD-inhibiting herbicides 83-79-4D, Rotenone, mixts. with
 HPPD-inhibiting herbicides 86-50-0D, Azinphosmethyl, mixts. with
 HPPD-inhibiting herbicides 87-86-5D, Pentachlorophenol, mixts. with
 HPPD-inhibiting herbicides 97-17-6D, Dichlofenthion, mixts. with
 HPPD-inhibiting herbicides 106-93-4D, Ethylene dibromide, mixts. with
 HPPD-inhibiting herbicides 107-06-2D, Ethylene dichloride, mixts. with
 HPPD-inhibiting herbicides 107-13-1D, Acrylonitrile, mixts. with
 HPPD-inhibiting herbicides 107-49-3D, TEPP, mixts. with HPPD-inhibiting
 herbicides 112-80-1D, Oleic acid, mixts. with HPPD-inhibiting herbicides
 114-26-1D, Propoxur, mixts. with HPPD-inhibiting herbicides 115-26-4D,
 Dimefox, mixts. with HPPD-inhibiting herbicides 115-29-7D, Endosulfan,
 mixts. with HPPD-inhibiting herbicides 115-90-2D, Fensulfothion, mixts.
 with HPPD-inhibiting herbicides 116-01-8D, Ethoattemethyl, mixts. with
 HPPD-inhibiting herbicides 116-06-3D, Aldicarb, mixts. with
 HPPD-inhibiting herbicides 119-12-0D, Pyridaphenthion, mixts. with
 HPPD-inhibiting herbicides 121-75-5D, Malathion, mixts. with

HPPD-inhibiting herbicides 122-14-5D, Fenitrothion, mixts. with
HPPD-inhibiting herbicides 126-22-7D, Butonate, mixts. with
HPPD-inhibiting herbicides 126-75-0D, Demeton-S, mixts. with
HPPD-inhibiting herbicides 131-89-5D, Dinex, mixts. with HPPD-inhibiting
herbicides 141-66-2D, Dicrotophos, mixts. with HPPD-inhibiting
herbicides 143-50-0D, mixts. with HPPD-inhibiting herbicides
144-41-2D, Morphothion, mixts. with HPPD-inhibiting herbicides 144-54-7,
Metam 152-16-9D, Schradan, mixts. with HPPD-inhibiting herbicides
297-78-9D, Isobenzan, mixts. with HPPD-inhibiting herbicides 298-00-0D,
Parathion-methyl, mixts. with HPPD-inhibiting herbicides 298-02-2D,
Phorate, mixts. with HPPD-inhibiting herbicides 298-03-3D, Demeton-O,
mixts. with HPPD-inhibiting herbicides 298-04-4D, Disulfoton, mixts.
with HPPD-inhibiting herbicides 299-86-5D, Cruformate, mixts. with
HPPD-inhibiting herbicides 300-76-5D, Naled, mixts. with HPPD-inhibiting
herbicides 301-12-2D, Oxydemetonmethyl, mixts. with HPPD-inhibiting
herbicides 309-00-2D, Aldrin, mixts. with HPPD-inhibiting herbicides
315-18-4D, Mexacarbate, mixts. with HPPD-inhibiting herbicides
327-98-0D, Trichloronat, mixts. with HPPD-inhibiting herbicides
333-41-5D, mixts. with HPPD-inhibiting herbicides 370-50-3D, Flucifuron,
mixts. with HPPD-inhibiting herbicides 371-86-8D, Mipaflox, mixts. with
HPPD-inhibiting herbicides 465-73-6D, Isodrin, mixts. with
HPPD-inhibiting herbicides 470-90-6D, mixts. with HPPD-inhibiting
herbicides 494-52-0D, Anabasine, mixts. with HPPD-inhibiting herbicides
533-74-4D, Dazomet, mixts. with HPPD-inhibiting herbicides 534-52-1D,
DNOC, mixts. with HPPD-inhibiting herbicides 556-61-6D, Methyl
isothiocyanate, mixts. with HPPD-inhibiting herbicides 563-12-2D,
Ethion, mixts. with HPPD-inhibiting herbicides 572-48-5D, Coumthioate,
mixts. with HPPD-inhibiting herbicides 584-79-2D, Bioallethrin, mixts.
with HPPD-inhibiting herbicides 640-15-3D, Thiometon, mixts. with
HPPD-inhibiting herbicides 644-64-4D, Dimetilan, mixts. with
HPPD-inhibiting herbicides 671-04-5D, Carbanolate, mixts. with
HPPD-inhibiting herbicides 682-80-4D, Demephion-O, mixts. with
HPPD-inhibiting herbicides 732-11-6D, Phosmet, mixts. with
HPPD-inhibiting herbicides 786-19-6D, Carbophenothion, mixts. with
HPPD-inhibiting herbicides 867-27-6D, Demeton-O-methyl, mixts. with
HPPD-inhibiting herbicides 919-76-6D, Amidithion, mixts. with
HPPD-inhibiting herbicides 919-86-8D, ,Demeton-S-methyl, mixts. with
HPPD-inhibiting herbicides 944-22-9D, Fonofos, mixts. with
HPPD-inhibiting herbicides 947-02-4D, Phosfolan, mixts. with
HPPD-inhibiting herbicides 950-10-7D, Mephosfolan, mixts. with
HPPD-inhibiting herbicides 950-37-8D, Methidathion, mixts. with
HPPD-inhibiting herbicides 1071-83-6D, Glyphosate, mixts. with
HPPD-inhibiting herbicides and insecticides 1113-02-6D, Omethoate,
mixts. with HPPD-inhibiting herbicides 1129-41-5D, Metolcarb, mixts.
with HPPD-inhibiting herbicides 1303-96-4D, Borax, mixts. with
HPPD-inhibiting herbicides 1344-81-6D, Calcium polysulfide, mixts. with
HPPD-inhibiting herbicides 1563-66-2D, Carbofuran, mixts. with
HPPD-inhibiting herbicides 1563-67-3D, Decarbofuran, mixts. with
HPPD-inhibiting herbicides 1646-88-4D, Aldoxycarb, mixts. with
HPPD-inhibiting herbicides 1912-24-9D, Atrazine, mixts. with
HPPD-inhibiting herbicides and insecticides 1918-00-9D, Dicamba, mixts.
with HPPD-inhibiting herbicides and insecticides 2032-59-9D, Aminocarb,
mixts. with HPPD-inhibiting herbicides 2032-65-7D, Methiocarb, mixts.
with HPPD-inhibiting herbicides 2104-64-5D, EPN, mixts. with
HPPD-inhibiting herbicides 2104-96-3D, Bromophos, mixts. with
HPPD-inhibiting herbicides 2274-67-1D, Dimethylvinphos, mixts. with
HPPD-inhibiting herbicides 2275-14-1D, Phenkapton, mixts. with
HPPD-inhibiting herbicides 2275-18-5D, Prothoate, mixts. with
HPPD-inhibiting herbicides 2275-23-2D, Vamidothion, mixts. with
HPPD-inhibiting herbicides 2310-17-0D, Phosalone, mixts. with
HPPD-inhibiting herbicides 2385-85-5D, Mirex, mixts. with
HPPD-inhibiting herbicides 2425-10-7D, Xylylcarb, mixts. with

HPPD-inhibiting herbicides 2463-84-5D, Dicapthon, mixts. with
 HPPD-inhibiting herbicides 2497-07-6D, Oxydisulfoton, mixts. with
 HPPD-inhibiting herbicides 2540-82-1D, Formothion, mixts. with
 HPPD-inhibiting herbicides 2550-75-6D, Chlorbicyclen, mixts. with
 HPPD-inhibiting herbicides 2587-90-8D, Demephion-S, mixts. with
 HPPD-inhibiting herbicides 2595-54-2D, Mecarbam, mixts. with
 HPPD-inhibiting herbicides 2597-03-7D, Phenthoate, mixts. with
 HPPD-inhibiting herbicides 2631-37-0D, Promecarb, mixts. with
 HPPD-inhibiting herbicides 2631-40-5D, Isoproc carb, mixts. with
 HPPD-inhibiting herbicides 2636-26-2D, Cyanophos, mixts. with
 HPPD-inhibiting herbicides 2642-71-9D, Azinphosethyl, mixts. with
 HPPD-inhibiting herbicides 2655-14-3D, XMC, mixts. with HPPD-inhibiting
 herbicides 2655-19-8D, Butacarb, mixts. with HPPD-inhibiting herbicides
 2669-32-1D, Lythidathion, mixts. with HPPD-inhibiting herbicides
 2674-91-1D, Oxydeprofos, mixts. with HPPD-inhibiting herbicides
 2699-79-8D, Sulfuryl fluoride, mixts. with HPPD-inhibiting herbicides
 2778-04-3D, Endothion, mixts. with HPPD-inhibiting herbicides
2921-88-2D, Chloropyrifos, mixts. with HPPD-inhibiting herbicides
 3383-96-8D, Temephos, mixts. with HPPD-inhibiting herbicides 3689-24-5D,
 Sulfotep, mixts. with HPPD-inhibiting herbicides 3734-95-0D, Cyanthoate,
 mixts. with HPPD-inhibiting herbicides 3761-41-9D, Mesulfenfos, mixts.
 with HPPD-inhibiting herbicides 3766-81-2D, Fenobucarb, mixts. with
 HPPD-inhibiting herbicides 3811-49-2D, Dioxabenzofos, mixts. with
 HPPD-inhibiting herbicides 4151-50-2D, Sulfluramid, mixts. with
 HPPD-inhibiting herbicides 4234-79-1D, Kelevan, mixts. with
 HPPD-inhibiting herbicides 4824-78-6D, Bromophosethyl, mixts. with
 HPPD-inhibiting herbicides 5221-49-8D, Pyrimitate, mixts. with
 HPPD-inhibiting herbicides **5598-13-0D**, mixts. with
 HPPD-inhibiting herbicides 5598-52-7D, Fospirate, mixts. with
 HPPD-inhibiting herbicides 5826-76-6D, Phosnichlor, mixts. with
 HPPD-inhibiting herbicides 5827-05-4D, IPSP, mixts. with HPPD-inhibiting
 herbicides 5834-96-8D, Azothoate, mixts. with HPPD-inhibiting herbicides
 5915-41-3D, Terbutylazine, mixts. with HPPD-inhibiting herbicides and
 insecticides 6164-98-3D, Chlordimeform, mixts. with HPPD-inhibiting
 herbicides 6392-46-7D, Allyxycarb, mixts. with HPPD-inhibiting
 herbicides 6923-22-4D, Monocrotophos, mixts. with HPPD-inhibiting
 herbicides 6988-21-2D, Dioxacarb, mixts. with HPPD-inhibiting herbicides
 7219-78-5D, Mazidox, mixts. with HPPD-inhibiting herbicides 7292-16-2D,
 PPropaphos, mixts. with HPPD-inhibiting herbicides 7345-69-9D, GY-81,
 mixts. with HPPD-inhibiting herbicides 7681-49-4D, Sodium fluoride,
 mixts. with HPPD-inhibiting herbicides 7700-17-6D, Crotoxyphos, mixts.
 with HPPD-inhibiting herbicides 7786-34-7D, Mevinphos, mixts. with
 HPPD-inhibiting herbicides 7803-51-2D, Phosphine, mixts. with
 HPPD-inhibiting herbicides 8001-35-2D, Camphechlor, mixts. with
 HPPD-inhibiting herbicides 8022-00-2D, Demetonmethyl, mixts. with
 HPPD-inhibiting herbicides 8065-36-9D, Bufencarb, mixts. with
 HPPD-inhibiting herbicides 8065-48-3D, Demeton, mixts. with
 HPPD-inhibiting herbicides 8065-62-1, Demephion 10112-91-1D, Mercurous
 chloride, mixts. with HPPD-inhibiting herbicides 10265-92-6D,
 Methamidophos, mixts. with HPPD-inhibiting herbicides 10311-84-9D,
 Dialifos, mixts. with HPPD-inhibiting herbicides 10453-86-8D,
 Resmethrin, mixts. with HPPD-inhibiting herbicides 11141-17-6D,
 Azadirachtin, mixts. with HPPD-inhibiting herbicides 12407-86-2D,
 Trimethacarb, mixts. with HPPD-inhibiting herbicides 12789-03-6D,
 Chlordane, mixts. with HPPD-inhibiting herbicides 13067-93-1D,
 Cyanofenphos, mixts. with HPPD-inhibiting herbicides 13171-21-6D,
 Phosphamidon, mixts. with HPPD-inhibiting herbicides 13194-48-4D,
 Ethoprophos, mixts. with HPPD-inhibiting herbicides 13457-18-6D,
 Pyrazophos, mixts. with HPPD-inhibiting herbicides 13593-03-8D,
 Quinalphos, mixts. with HPPD-inhibiting herbicides 13593-08-3D,
 Quinalphosmethyl, mixts. with HPPD-inhibiting herbicides 14816-16-1D,
 Phoximmethyl,., mixts. with HPPD-inhibiting herbicides 14816-18-3D,

Phoxim, mixts. with HPPD-inhibiting herbicides 14816-20-7D, mixts. with
 HPPD-inhibiting herbicides 15096-52-3D, Cryolite, mixts. with
 HPPD-inhibiting herbicides 15263-53-3D, Cartap, mixts. with
 HPPD-inhibiting herbicides 15589-31-8D, Terallethrin, mixts. with
 HPPD-inhibiting herbicides 16752-77-5D, Methomyl, mixts. with
 HPPD-inhibiting herbicides 16893-85-9D, Sodium hexafluorosilicate,
 mixts. with HPPD-inhibiting herbicides 17040-19-6D, mixts. with
 HPPD-inhibiting herbicides 17080-02-3D, Furethrin, mixts. with
 HPPD-inhibiting herbicides 17606-31-4D, Bensultap, mixts. with
 HPPD-inhibiting herbicides 18181-70-9D, Jodfenphos, mixts. with
 HPPD-inhibiting herbicides 18809-57-9, EMPC 18854-01-8D, Isoxathion,
 mixts. with HPPD-inhibiting herbicides 19691-80-6D, Athidathion, mixts.
 with HPPD-inhibiting herbicides 20425-39-2D, Pyresmethrin, mixts. with
 HPPD-inhibiting herbicides 21548-32-3D, Fosthietan, mixts. with
 HPPD-inhibiting herbicides 22259-30-9D, Formetanate, mixts. with
 HPPD-inhibiting herbicides 22439-40-3D, Quinothion, mixts. with
 HPPD-inhibiting herbicides 22781-23-3D, Bendiocarb, mixts. with
 HPPD-inhibiting herbicides 23031-36-9, Prallethrin 23103-98-2D,
 Pirimicarb, mixts. with HPPD-inhibiting herbicides 23135-22-0D, Oxamyl,
 mixts. with HPPD-inhibiting herbicides 23505-41-1D, Pirimiphosethyl,
 mixts. with HPPD-inhibiting herbicides 23560-59-0D, Heptenophos, mixts.
 with HPPD-inhibiting herbicides 24017-47-8D, Triazofos, mixts. with
 HPPD-inhibiting herbicides 24353-61-5D, mixts. with HPPD-inhibiting
 herbicides 24934-91-6D, mixts. with HPPD-inhibiting herbicides
 25171-63-5D, Thiocarboxime, mixts. with HPPD-inhibiting herbicides
 25311-71-1D, Isofenphos, mixts. with HPPD-inhibiting herbicides
 25601-84-7D, Methocrotophos, mixts. with HPPD-inhibiting herbicides
 26002-80-2D, Phenothrin, mixts. with HPPD-inhibiting herbicides
 28434-00-6D, S-Bioallethrin, mixts. with HPPD-inhibiting herbicides
 28434-01-7D, Bioresmethrin, mixts. with HPPD-inhibiting herbicides
 29104-30-1D, Benzoximate, mixts. with HPPD-inhibiting herbicides
 29173-31-7D, Mecarphon, mixts. with HPPD-inhibiting herbicides
 29232-93-7D, Pirimiphosmethyl, mixts. with HPPD-inhibiting herbicides
 29672-19-3D, Nitrilacarb, mixts. with HPPD-inhibiting herbicides
 29973-13-5D, Ethiofencarb, mixts. with HPPD-inhibiting herbicides
 30560-19-1D, Acephate, mixts. with HPPD-inhibiting herbicides
 30864-28-9D, Methacrifos, mixts. with HPPD-inhibiting herbicides
 31218-83-4D, Propetamphos, mixts. with HPPD-inhibiting herbicides
 31377-69-2D, Pirimetaphos, mixts. with HPPD-inhibiting herbicides
 31895-21-3D, Thiocyclam, mixts. with HPPD-inhibiting herbicides
 33089-61-1D, Amitraz, mixts. with HPPD-inhibiting herbicides
 33399-00-7D, Bromfenvinfos, mixts. with HPPD-inhibiting herbicides
 34264-24-9D, Promacyl, mixts. with HPPD-inhibiting herbicides
 34643-46-4D, Prothiofos, mixts. with HPPD-inhibiting herbicides
 34681-10-2D, Butocarboxim, mixts. with HPPD-inhibiting herbicides
 34681-23-7D, Butoxycarboxim, mixts. with HPPD-inhibiting herbicides
 35367-38-5D, Diflubenzuron, mixts. with HPPD-inhibiting herbicides
 35400-43-2D, Sulprofos, mixts. with HPPD-inhibiting herbicides
 35575-96-3D, Azamethiphos, mixts. with HPPD-inhibiting herbicides
 36145-08-1D, Chlorprazophos, mixts. with HPPD-inhibiting herbicides
 36614-38-7D, Isothioate, mixts. with HPPD-inhibiting herbicides
 37764-25-3D, Dichlormid, mixts. with HPPD-inhibiting herbicides and
 insecticides 38260-63-8D, Lirimfos, mixts. with HPPD-inhibiting
 herbicides 38524-82-2D, Trifenofos, mixts. with HPPD-inhibiting
 herbicides 39196-18-4D, Thiofanox, mixts. with HPPD-inhibiting
 herbicides 39247-96-6D, Primidophos, mixts. with HPPD-inhibiting
 herbicides 39515-40-7D, Cyphenothrin, mixts. with HPPD-inhibiting
 herbicides 39515-41-8D, Fenprothrin, mixts. with HPPD-inhibiting
 herbicides 40085-57-2D, Tazimcarb, mixts. with HPPD-inhibiting
 herbicides 40596-69-8D, Methoprene, mixts. with HPPD-inhibiting
 herbicides 40596-80-3D, Triprene, mixts. with HPPD-inhibiting herbicides
 41096-46-2D, Hydroprene, mixts. with HPPD-inhibiting herbicides

41198-08-7D, Profenofos, mixts. with HPPD-inhibiting herbicides
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(herbicidal combinations)

IT 41219-31-2D, Dithicrofos, mixts. with HPPD-inhibiting herbicides
41219-32-3D, Thicrofos, mixts. with HPPD-inhibiting herbicides
42509-80-8D, Isazofos, mixts. with HPPD-inhibiting herbicides
42588-37-4D, Kinoprene, mixts. with HPPD-inhibiting herbicides
50864-67-0D, Barium polysulfide, mixts. with HPPD-inhibiting herbicides
51218-45-2D, Metolachlor, mixts. with HPPD-inhibiting herbicides and
insecticides 51596-10-2D, Milbemectin, mixts. with HPPD-inhibiting
herbicides 51630-58-1D, Fenvalerate, mixts. with HPPD-inhibiting
herbicides 51877-74-8D, Biopermethrin, mixts. with HPPD-inhibiting
herbicides 52207-48-4D, Thiosultapsodium, mixts. with HPPD-inhibiting
herbicides 52315-07-8, Cypermethrin 52315-07-8D, Zetacypermethrin,
mixts. with HPPD-inhibiting herbicides 52645-53-1, Permethrin
52918-63-5D, Deltamethrin, mixts. with HPPD-inhibiting herbicides
54406-48-3, Empenthrin 54593-83-8D, Chlorethoxyfos, mixts. with
HPPD-inhibiting herbicides 55285-14-8D, Carbosulfan, mixts. with
HPPD-inhibiting herbicides 57342-02-6D, Epofenonane, mixts. with
HPPD-inhibiting herbicides 57960-19-7D, Acequinocyl, mixts. with
HPPD-inhibiting herbicides 58769-20-3D, RU 15525, mixts. with
HPPD-inhibiting herbicides 58842-20-9D, Nithiazine, mixts. with
HPPD-inhibiting herbicides 59669-26-0D, Thiodicarb, mixts. with
HPPD-inhibiting herbicides 60238-56-4D, Chlorthiophos, mixts. with
HPPD-inhibiting herbicides 60589-06-2D, Metoxadiazone, mixts. with
HPPD-inhibiting herbicides 61444-62-0D, Nifluridide, mixts. with
HPPD-inhibiting herbicides 61949-77-7D, trans-Permethrin, mixts. with
HPPD-inhibiting herbicides 63837-33-2D, Diofenolan, mixts. with
HPPD-inhibiting herbicides 63935-38-6, Cycloprothrin 64628-44-0D,
Triflumuron, mixts. with HPPD-inhibiting herbicides 65907-30-4D,
Furathiocarb, mixts. with HPPD-inhibiting herbicides 66215-27-8D,
Cyromazine, mixts. with HPPD-inhibiting herbicides 66230-04-4,
Esfenvalerate 66841-25-6D, Tralomethrin, mixts. with HPPD-inhibiting
herbicides 67375-30-8D, Alphacypermethrin, mixts. with HPPD-inhibiting
herbicides 67485-29-4D, Hydramethylnon, mixts. with HPPD-inhibiting
herbicides 68085-85-8D, Cyhalothrin, mixts. with HPPD-inhibiting
herbicides 68359-37-5D, Betacyfluthrin, mixts. with HPPD-inhibiting
herbicides 68523-18-2D, Fenpirithrin, mixts. with HPPD-inhibiting
herbicides 69327-76-0D, Buprofezin, mixts. with HPPD-inhibiting
herbicides 69409-94-5D, Fluvalinate, mixts. with HPPD-inhibiting
herbicides 69770-45-2D, Flumethrin, mixts. with HPPD-inhibiting
herbicides 70124-77-5D, Flucythrinate, mixts. with HPPD-inhibiting
herbicides 71422-67-8D, Chlorfluazuron, mixts. with HPPD-inhibiting
herbicides 71697-59-1D, Thetacypermethrin, mixts. with HPPD-inhibiting
herbicides 71751-41-2D, Abamectin, mixts. with HPPD-inhibiting
herbicides 72490-01-8D, Fenoxycarb, mixts. with HPPD-inhibiting
herbicides 72850-64-7D, Flurazole, mixts. with HPPD-inhibiting
herbicides and insecticides 72963-72-5D, Imiprothrin, mixts. with
HPPD-inhibiting herbicides 75867-00-4D, Fenfluthrin, mixts. with
HPPD-inhibiting herbicides **79538-32-2D**, Tefluthrin, mixts.
with HPPD-inhibiting herbicides 80060-09-9, Diafenthiuron 82560-54-1D,
Benfuracarb, mixts. with HPPD-inhibiting herbicides 82657-04-3D,
Bifenthrin, mixts. with HPPD-inhibiting herbicides 83121-18-0D,
Teflubenzuron, mixts. with HPPD-inhibiting herbicides 83130-01-2D,
Alanycarb, mixts. with HPPD-inhibiting herbicides 83733-82-8,
Fosmethilan 84466-05-7D, Amidoflumet, mixts. with HPPD-inhibiting
herbicides 86479-06-3D, HExaflumuron, mixts. with HPPD-inhibiting
herbicides 87392-12-9D, s-Metolachlor, mixts. with HPPD-inhibiting
herbicides and insecticides 88349-88-6D, Cloquintocet, mixts. with
HPPD-inhibiting herbicides and insecticides 88485-37-4D, Fluxofenim,
mixts. with HPPD-inhibiting herbicides and insecticides 89784-60-1D,
Pyraclofos, mixts. with HPPD-inhibiting herbicides 90338-20-8D,

Butathiofos, mixts. with HPPD-inhibiting herbicides 91465-08-6D, mixts.
 with HPPD-inhibiting herbicides 94125-34-5D, Prosulfuron, mixts. with
 HPPD-inhibiting herbicides and insecticides 95465-99-9D, Cadusafos,
 mixts. with HPPD-inhibiting herbicides 95737-68-1D, Pyriproxyfen, mixts.
 with HPPD-inhibiting herbicides 96182-53-5D, Tebupirimfos, mixts. with
 HPPD-inhibiting herbicides 96489-71-3D, Pyridaben, mixts. with
 HPPD-inhibiting herbicides 98730-04-2D, Benoxacor, mixts. with
 HPPD-inhibiting herbicides and insecticides 98886-44-3D, Fosthiazate,
 mixts. with HPPD-inhibiting herbicides 101007-06-1D, Acrinathrin, mixts.
 with HPPD-inhibiting herbicides 102851-06-9D, Taufluvalinate, mixts.
 with HPPD-inhibiting herbicides 103055-07-8D, Lufenuron, mixts. with
 HPPD-inhibiting herbicides 105024-66-6D, Silafluofen, mixts. with
 HPPD-inhibiting herbicides 105779-78-0D, Pyrimidifen, mixts. with
 HPPD-inhibiting herbicides 107713-58-6D, Flufenprox, mixts. with
 HPPD-inhibiting herbicides 111988-49-9D, Thiacloprid, mixts. with
 HPPD-inhibiting herbicides 111991-09-4D, Nicosulfuron, mixts. with
 HPPD-inhibiting herbicides and insecticides 112143-82-5D, Triazamate,
 mixts. with HPPD-inhibiting herbicides 112226-61-6D, Halofenozide,
 mixts. with HPPD-inhibiting herbicides 112410-23-8D, Tebufenozide,
 mixts. with HPPD-inhibiting herbicides 112636-83-6D, Dicyclanil, mixts.
 with HPPD-inhibiting herbicides 113036-87-6D, Primisulfuron, mixts. with
 HPPD-inhibiting herbicides and insecticides 113036-88-7D, Flucycloxuron,
 mixts. with HPPD-inhibiting herbicides 114797-39-6D, Methothrin, mixts.
 with HPPD-inhibiting herbicides 116714-46-6D, Novaluron, mixts. with
 HPPD-inhibiting herbicides 118712-89-3D, Transfluthrin, mixts. with
 HPPD-inhibiting herbicides 119791-41-2D, Emamectin, mixts. with
 HPPD-inhibiting herbicides 120068-37-3D, Fipronil, mixts. with
 HPPD-inhibiting herbicides 121451-02-3, Noviflumuron 121776-33-8D,
 Furilazole, mixts. with HPPD-inhibiting herbicides and insecticides
 122453-73-0D, Chlorfenapyr, mixts. with HPPD-inhibiting herbicides
 122705-57-1D, mixts. with HPPD-inhibiting herbicides 122931-48-0D,
 Rimsulfuron, mixts. with HPPD-inhibiting herbicides and insecticides
 123312-89-0D, Pymetrozine, mixts. with HPPD-inhibiting herbicides
 129558-76-5D, Tolfenpyrad, mixts. with HPPD-inhibiting herbicides
 135410-20-7D, Acetamiprid, mixts. with HPPD-inhibiting herbicides
 138261-41-3D, Imidacloprid, mixts. with HPPD-inhibiting herbicides
 143807-66-3D, Chromafenozide, mixts. with HPPD-inhibiting herbicides
 145099-21-4D, Trifloxysulfuron., mixts. with HPPD-inhibiting herbicides
 and insecticides 148477-71-8D, Spirodiclofen, mixts. with
 HPPD-inhibiting herbicides 149877-41-8D, Bifenazate, mixts. with
 HPPD-inhibiting herbicides 150824-47-8D, Nitenpyram, mixts. with
 HPPD-inhibiting herbicides 153233-91-1D, Etoxazole, mixts. with
 HPPD-inhibiting herbicides **153719-23-4D**, Thiamethoxam, mixts.
 with HPPD-inhibiting herbicides 158062-67-0D, Flonicamid, mixts. with
 HPPD-inhibiting herbicides 160791-64-0D, ZXI 8901., mixts. with
 HPPD-inhibiting herbicides 161050-58-4D, Methoxyfenozide, mixts. with
 HPPD-inhibiting herbicides 163515-14-8D, Dimethenamid P, mixts. with
 HPPD-inhibiting herbicides and insecticides 165252-70-0D, Dinotefuran,
 mixts. with HPPD-inhibiting herbicides 170015-32-4D, Flufennerim, mixts.
 with HPPD-inhibiting herbicides 173159-57-4D, Foramsulfuron, mixts. with
 HPPD-inhibiting herbicides and insecticides 173584-44-6D, Indoxacarb,
 mixts. with HPPD-inhibiting herbicides 179101-81-6D, Pyridalyl, mixts.
 with HPPD-inhibiting herbicides 181587-01-9D, Ethiprole, mixts. with
 HPPD-inhibiting herbicides 201593-84-2D, Bistrifluron, mixts. with
 HPPD-inhibiting herbicides 209861-58-5D, Acetoprole, mixts. with
 HPPD-inhibiting herbicides 209866-92-2D, Isoxadifen, mixts. with
 HPPD-inhibiting herbicides and insecticides 210880-92-5D, Clothianidin,
 mixts. with HPPD-inhibiting herbicides 229977-93-9D, Fluacrypyrim,
 mixts. with HPPD-inhibiting herbicides 231937-89-6D, mixts. with
 HPPD-inhibiting herbicides 283594-90-1D, Spiromesifen, mixts. with
 HPPD-inhibiting herbicides 500790-39-6D, mixts. with HPPD-inhibiting
 herbicides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(herbicidal combinations)

AB Aherbicidal combination comprises an HPPD-inhibiting herbicide (certain exceptions), such as isoxazoles, triketones, pyrazoles, benzobicyclon and ketospiradox, preferably mesotrione, and any of a very large number of insecticides.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2004:964970 CAPLUS

DOCUMENT NUMBER: 141:407236

TITLE: Treatment of plants and plant propagation materials with an antioxidant and pesticide to improve plant health and/or yield

INVENTOR(S): Asrar, Jawed; Ding, Yiwei; Bourque, June E.; Sanders, Ernest F.

PATENT ASSIGNEE(S): Monsanto Technology, LLC, USA

SOURCE: PCT Int. Appl., '79 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004095926	A2	20041111	WO 2004-US10720	20040407
WO 2004095926	A3	20050127		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 20040259732	A1	20041223	US 2004-832578	20040427
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US 20080125319	A1	20080529	US 2008-11424	20080125
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PRIORITY APPLN. INFO.: US 2003-466104P P 20030428

US 2004-832578 A1 20040427

IT 50-31-7D, 2,3,6-TBA, mixture with antioxidant 50-78-2D, Acetylsalicylic acid, mixture with pesticide 50-81-7D, Vitamin C, mixture with pesticide 52-90-4D, Cysteine, mixture with pesticide 56-40-6D, Glycine, mixture with pesticide 56-89-3D, Cystine, mixture with pesticide 58-85-5D, Biotin, mixture with pesticide 59-30-3D, Folic acid, mixture with pesticide 59-43-8D, Thiamin, mixture with pesticide 59-67-6D, Niacin, mixture with pesticide 60-00-4D, EDTA, mixture with pesticide 61-82-5D, Amitrole, mixture with antioxidant 62-49-7D, Choline, mixture with pesticide 62-49-7D, Choline, salts., mixture with pesticide 63-25-2D, Carbaryl, mixture with antioxidant 63-68-3D, Methionine, mixture with pesticide 65-23-6D, Pyridoxine, mixture with pesticide 67-48-1D, Choline chloride, mixture with pesticide 69-65-8D, Mannitol, mixture with pesticide 69-72-7D, Salicylic acid, mixture with pesticide 71-00-1D, Histidine, mixture with pesticide 73-22-3D, Tryptophan, mixture with pesticide 74-79-3D, Arginine, mixture with pesticide 75-60-5D, Dimethylarsinic acid, mixture with antioxidant 75-99-0D, Dalapon, mixture with antioxidant 79-11-8D, Chloroacetic acid, mixture with antioxidant 79-81-2D, Retinyl palmitate, mixture with pesticide 79-83-4D, Pantothenic acid, mixture with

pesticide 79-96-9D, 4,4'-(1-Methylethylidene)bis[2-(1,1-dimethylethyl)phenol, mixture with pesticide 83-46-5D, β -Sitosterol, mixture with pesticide 83-48-7D, Stigmasterol, mixture with pesticide 83-86-3D, mixture with pesticide 83-88-5D, Riboflavin, mixture with pesticide 85-00-7D, Diquat dibromide, mixture with antioxidant 85-60-9D, 4,4'-Butylidenebis(6-tert-butyl-m-cresol), mixture with pesticide 87-86-5D, Pentachlorophenol, mixture with antioxidant 87-89-8D, ,Inositol, mixture with pesticide 89-83-8D, Thymol, mixts. with antioxidants 92-52-4D, Biphenyl, mixts. with antioxidants 92-88-6D, 4,4'-Biphenol, mixture with pesticide 93-65-2D, Mecoprop, mixture with antioxidant 94-13-3D, Propylparaben, mixts. with antioxidants 94-74-6D, MCPA, mixture with antioxidant 94-75-7D, 2,4-D, mixture with antioxidant 94-81-5D, MCPB, mixture with antioxidant 94-82-6D, 2,4-DB, mixture with antioxidant 96-69-5D, 4,4'-Thiobis-6-(tert-butyl-m-cresol), mixture with pesticide 97-53-0D, Eugenol, mixts. with antioxidants 98-29-3D, 4-tert-Butylcatechol, mixture with pesticide 101-21-3D, Chloropropham, mixture with antioxidant 101-42-8D, Fenuron, mixture with antioxidant 107-02-8D, Acrolein, mixture with antioxidant 107-22-2D, Glyoxal, mixture with pesticide 107-43-7D, Betaine, mixture with pesticide 108-01-0D, N,N-Dimethylethanolamine, mixture with pesticide 108-95-2D, Phenol, styrenated, mixture with pesticide 111-17-1D, Thiodipropionic acid, mixture with pesticide 112-05-0D, Nonanoic acid, mixture with antioxidant 112-80-1D, Oleic acid, mixture with antioxidant 115-11-7D, Isobutylene, mixture with pesticide 116-06-3D, Aldicarb, mixture with antioxidant 119-13-1D, δ -Tocopherol, mixture with pesticide 120-36-5D, Dichloroprop, mixture with antioxidant 121-33-5D, Vanillin, mixts. with antioxidants 121-75-5D, Malathion, mixture with antioxidant 121-79-9D, Propyl gallate, mixture with pesticide 122-34-9D, Simazine, mixture with antioxidant 122-42-9D, Propham, mixture with antioxidant 123-28-4D, Dilauryl thiodipropionate, mixture with pesticide 124-58-3D, Methylarsonic acid, mixture with antioxidant 127-40-2D, Lutein, mixture with pesticide 127-47-9D, Retinyl acetate, mixture with pesticide 128-37-0D, (BHT), mixture with pesticide 132-27-4D, Sodium o-phenylphenol, mixts. with antioxidants 132-66-1D, Naptalam, mixture with antioxidant 133-90-4D, Chloramben, mixture with antioxidant 139-40-2D, Propazine, mixture with antioxidant 144-54-7D, ,Metam, mixture with antioxidant 144-68-3D, mixture with pesticide 145-73-3D, mixture with antioxidant 147-47-7D, 2,2,4-Trimethyl-1,2-dihydroquinoline, poly,er, mixture with pesticide 147-85-3D, Proline, mixture with pesticide 148-03-8D, β -Tocopherol, mixture with pesticide 148-79-8D, Thiabendazole, mixts. with antioxidants 303-07-1D, 2,6-Dihydroxybenzoic acid, mixture with pesticide 303-98-0D, Coenzyme Q10, mixture with pesticide 314-40-9D, Bromacil, mixture with antioxidant 330-54-1D, Diuron, mixture with antioxidant 330-55-2D, Linuron, mixture with antioxidant 333-41-5D, mixture with antioxidant 443-48-1D, Metronidazole, mixture with pesticide 467-69-6D, Flurenol, mixture with antioxidant 474-62-4D, Campesterol, mixture with pesticide 481-14-1D, Isofucosterol, mixture with pesticide 490-23-3D, β -Tocotrienol, mixture with pesticide 499-75-2D, Carvacrol, mixts. with antioxidants 502-65-8D, Lycopene, mixture with pesticide 521-03-9D, mixture with pesticide 530-59-6D, Sinapic acid, mixture with pesticide 532-32-1D, Sodium benzoate, mixts. with antioxidants 533-74-4D, Dazomet, mixture with antioxidant 534-52-1D, ,DNOC, mixture with antioxidant 555-37-3D, Neburon, mixture with antioxidant 556-61-6D, Methyl isothiocyanate, mixture with antioxidant 559-70-6D, β -Amyrin, mixture with pesticide 583-39-1D, mixture with pesticide 584-79-2D, 2-Allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one ester of 2,2-dimethyl-3-(2-methylpropenyl)cyclopropanecarboxylic acid, mixture with antioxidant 616-91-1D, N-Acetylcysteine, mixture with pesticide 650-51-1D, mixture with antioxidant 696-23-1D, 2-Methyl-5-nitroimidazole, mixture with pesticide 709-98-8D, Propanil, mixture with antioxidant 719-22-2D, 2,6-Di-tert-butyl-p-benzoquinone, mixture with pesticide 741-58-2D, Bensulide, mixture with antioxidant 756-09-2D, Flupropanate,

mixture with antioxidant 759-94-4, EPTC 834-12-8D, Ametryn, mixture with antioxidant 886-50-0D, TERbutryn, mixture with antioxidant 957-51-7D, Diphenamide, mixture with antioxidant 1014-70-6D, Simetryn, mixture with antioxidant 1071-83-6D, Glyphosate, mixture with antioxidant 1079-21-6D, PHEnylhydroquinone, mixts. with antioxidants 1114-71-2D, Pebulate, mixture with antioxidant 1118-68-9D, Dimethylglycine, mixture with pesticide 1134-23-2D, Cycloate, mixture with antioxidant 1135-24-6D, complex, mixture with pesticide 1135-24-6D, Ferulic acid, mixture with pesticide 1166-52-5D, Dodecyl gallate, mixture with pesticide 1176-52-9D, Gramisterol, mixture with pesticide 1194-65-6D, Dichlobenil, mixture with antioxidant 1200-22-2D, α -Lipoic acid, mixture with pesticide 1303-96-4D, Borax, mixture with antioxidant 1406-18-4D, Vitamin E, mixture with pesticide 1420-07-1D, Dinoterb, mixture with antioxidant 1421-63-2D, Trihydroxybutyrophenone, mixture with pesticide 1421-63-2D, Trihydroxybutyrophenone, mixts. with antioxidants 1449-09-8D, 24-Methylenecycloartanol, mixture with pesticide 1582-09-8D, Trifluralin, mixture with antioxidant 1610-18-0D, Prometon, mixture with antioxidant 1689-83-4D, Ioxynil, mixture with antioxidant 1689-84-5D, Bromoxynil, mixture with antioxidant 1698-60-8D, Chloridazon, mixture with antioxidant 1702-17-6D, Clopyralid, mixture with antioxidant 1709-70-2D, Ethanox 330, mixture with pesticide 1721-51-3D, α -Tocotrienol, mixture with pesticide 1746-81-2D, Monolinuron, mixture with antioxidant 1861-40-1D, Benfluralin, mixture with antioxidant 1897-45-6D, Chlorothalonil, mixture with antioxidant 1910-42-5D, Paraquat dichloride, mixture with antioxidant 1912-24-9D, Atrazine, mixture with antioxidant 1912-26-1D, Trietazine, mixture with antioxidant 1918-00-9D, Dicamba, mixture with antioxidant 1918-02-1D, Picloram, mixture with antioxidant 1918-13-4D, mixture with antioxidant 1918-16-7D, Propachlor, mixture with antioxidant 1929-77-7D, Vernolate., mixture with antioxidant 1948-33-0D, mixture with pesticide 1982-49-6D, Siduron, mixture with antioxidant 2008-41-5D, Butylate, mixture with antioxidant 2082-79-3D, 2,6-Di-tert-butyl-4-(octadecanoxycarbonylethyl)phenol, mixture with pesticide 2164-08-1D, Lenacil, mixture with antioxidant 2164-17-2D, Fluometuron, mixture with antioxidant 2212-67-1D, Molinate, mixture with antioxidant 2303-17-5D, Triallate, mixture with antioxidant 2307-68-8D, Pentanochlor, mixture with antioxidant 2309-07-1D, Methyl ferulate, mixture with pesticide 2536-31-4D, mixture with antioxidant 2797-51-5D, Quinoclamine, mixture with antioxidant **2921-88-2D**, Chloropyrifos, mixture with antioxidant 3060-89-7D, Metobromuron, mixture with antioxidant 3337-71-1D, Asulam, mixture with antioxidant 3813-05-6D, Benazolin, mixture with antioxidant 5234-68-4D, Carboxin, mixture with antioxidant 5392-40-5D, Citral, mixts. with antioxidants **5598-13-0D**, mixture with antioxidant 5902-51-2D, Terbacil, mixture with antioxidant 5915-41-3D, Terbutylazine, mixture with antioxidant 6683-19-8D, mixture with pesticide 7235-40-7D, (Betacarotene), mixture with pesticide 7287-19-6D, Prometryn, mixture with antioxidant 7400-08-0D, p-Coumaric acid, mixture with pesticide 7439-95-4D, Magnesium, compds., mixture with pesticide 7440-66-6D, Zinc, mixture with pesticide 7440-70-2D, Calcium, compds., mixture with pesticide 7488-99-5D, α -Carotene, mixture with pesticide 7616-22-0D, γ -Tocopherol, mixture with pesticide 7664-93-9D, Sulfuric acid, mixture with antioxidant 7696-12-0D, Tetramethrin, mixture with antioxidant 7720-78-7D, Ferrous sulfate, mixture with antioxidant 7723-14-0D, Phosphorus, compds., mixture with pesticide 7773-06-0D, Ammonium sulfamate, mixture with antioxidant 7775-09-9D, Sodium chlorate, mixture with antioxidant 7782-49-2D, Selenium, mixture with pesticide 9001-05-2D, Catalase, mixture with pesticide 9002-10-2D, Polyphenol oxidase, mixture with pesticide 9013-66-5D, Glutathione peroxidase, mixture with pesticide 9036-66-2D, Arabinogalactan, mixture with pesticide 9040-27-1D, Arabinoxylan, mixture with pesticide 9054-89-1D, Superoxide dismutase, mixture with pesticide 10004-44-1D, HYmexazole, mixture with antioxidant 10453-86-8D, (Resmethrin, mixture with antioxidant 10595-72-9D, mixture with pesticide 11103-57-4D, Vitamin A, mixture with

pesticide 12001-76-2D, Vitamin B, mixture with pesticide 13221-22-2D, Arabinofuranose, mixture with pesticide 13360-45-7D, mixture with antioxidant 13684-56-5D, Desmedipham, mixture with antioxidant 13684-63-4D, Phenmedipham, mixture with antioxidant 14101-61-2D, γ -Tocotrienol, mixture with pesticide 15165-67-0D, Dichlorprop-P, mixture with antioxidant 15299-99-7D, Napropamide, mixture with antioxidant 15972-60-8D, Alachlor, mixture with antioxidant 16118-49-3D, Carbetamide, mixture with antioxidant 16484-77-8D, Mecoprop-P, mixture with antioxidant 16545-54-3D, Dimyristyl thioldipropionate, mixture with pesticide 16910-32-0D, Obtusifolioside, mixture with pesticide 18691-97-9D, Methabenzthiazuron, mixture with antioxidant 19044-88-3D, Oryzalin, mixture with antioxidant 19666-30-9D, Oxadiazon, mixture with antioxidant 19937-59-8D, Metoxuron, mixture with antioxidant 21087-64-9D, Metribuzin, mixture with antioxidant 21238-33-5D, glycoside, mixture with pesticide 21293-29-8D, Absciscic acid, mixture with pesticide 21725-46-2D, Cyanazine, mixture with antioxidant 22224-92-6D, Fenamiphos, mixture with antioxidant 22936-75-0D, Dimethametryn, mixture with antioxidant 23031-36-9D, (Prallethrin, mixture with antioxidant 23135-22-0D, Oxamyl, mixture with antioxidant 23184-66-9D, Butachlor, mixture with antioxidant 23950-58-5D, Propyzamide, mixture with antioxidant 24151-93-7D, Piperophos, mixture with antioxidant 24634-61-5D, Potassium-sorbate, mixts. with antioxidants 25013-16-5D, 2-(3)-tert-Butyl-4-hydroxyanisole, mixture with pesticide 25057-89-0D, Bentazone, mixture with antioxidant 25319-90-8D, MCPATHIOETHYL, mixture with antioxidant 25612-59-3D, δ -Tocotrienol, mixture with pesticide 26225-79-6D, Ethofumesate, mixture with antioxidant

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(seed and plant treatment composition to improve germination, plant health and yield)

IT 26523-78-4D, Tris(nonylphenyl)phosphite, mixture with pesticide 27314-13-2D, Norflurazon, mixture with antioxidant 27676-62-6D, 1,3,5-Tris(3,5-di-tert-butyl-4-hydroxybenzyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione, mixture with pesticide 28249-77-6D, Thiobencarb, mixture with antioxidant 29091-05-2D, Dinitramine, mixture with antioxidant 29091-21-2D, PrOdiamine, mixture with antioxidant 30560-19-1D, Acephate, mixture with antioxidant 33629-47-9D, Butralin, mixture with antioxidant 33693-04-8D, Terbumeton, mixture with antioxidant 34014-18-1D, Tebuthiuron, mixture with antioxidant 34123-59-6D, Isoproturon, mixture with antioxidant 34205-21-5D, Dimefuron, mixture with antioxidant 34256-82-1D, Acetochlor, mixture with antioxidant 34622-58-7D, Orbencarb, mixture with antioxidant 35256-85-0D, Tebutam, mixture with antioxidant 35554-44-0D, Imazalil, mixture with antioxidant 35597-43-4D, Bilanafos, mixture with antioxidant 36335-67-8D, Butamifos, mixture with antioxidant 36756-79-3D, Tiocarbazil, mixture with antioxidant 37294-28-3D, Xyloglucan, mixture with pesticide 38146-05-3D, mixture with pesticide 38953-85-4D, Isovitexin, mixture with pesticide 39515-40-7D, (Cyphenothrin, mixture with antioxidant 39515-41-8D, (Fenpropathrin, mixture with antioxidant 39807-15-3D, Oxadiargyl, mixture with antioxidant 39985-63-2D, MK 616, mixture with antioxidant 40487-42-1D, Pendimethalin, mixture with antioxidant 41394-05-2D, Metamitron, mixture with antioxidant 42576-02-3D, Bifenox, mixture with antioxidant 42609-52-9D, Daimuron, mixture with antioxidant 42609-73-4D, Methyldymron, mixture with antioxidant 42874-03-3D, Oxyfluorfen, mixture with antioxidant 43222-48-6D, Difenzoquat methylsulfate, mixture with antioxidant 50563-36-5D, DIMETHACHLOR, mixture with antioxidant 50594-66-6D, Acifluorfen, mixture with antioxidant 51218-45-2D, METOLACHLOR, mixture with antioxidant 51218-49-6D, Pretilachlor, mixture with antioxidant 51235-04-2D, Hexazinone, mixture with antioxidant 51338-27-3D, Diclof opmethy, mixture with antioxidant 51630-58-1D, Fenvalerate, mixture with antioxidant 52315-07-8D, Cypermethrin, mixture with antioxidant 52570-16-8D, Naproanilide, mixture with antioxidant 52645-53-1D, Permethrin, mixture with antioxidant 52888-80-9D, PROSULFOCARB, mixture with antioxidant

53780-34-0D, MeFluidide, mixture with antioxidant 54406-48-3D,
(Empenthrin, mixture with antioxidant 55179-31-2D, Bitertanol, mixture with
antioxidant 55219-65-3D, TRIadimenol, mixture with antioxidant
55283-68-6D, Ethalfluralin, mixture with antioxidant 55290-64-7D,
Dimethipin, mixture with antioxidant 55335-06-3D, Triclopyr, mixture with
antioxidant 55512-33-9D, Pyridate, mixture with antioxidant 55634-91-8D,
Alloxydim, mixture with antioxidant 55861-78-4D, Isouron, mixture with
antioxidant 57646-30-7D, Furalaxyl, mixture with antioxidant
57837-19-1D, Metalaxyl, mixture with antioxidant 57966-95-7D, Cymoxanil,
mixture with antioxidant 58011-68-0D, Pyrazolynate, mixture with antioxidant
58769-20-3D, Kadethrin, mixture with antioxidant 58810-48-3D, Ofurace,
mixture with antioxidant 59669-26-0D, Thiodicarb, mixture with antioxidant
59682-52-9D, Fosamine, mixture with antioxidant 59756-60-4D, ,Fluridone,
mixture with antioxidant 60207-90-1D, Propiconazole, mixture with
antioxidant 60207-93-4D, ETaconazole, mixture with antioxidant
61213-25-0D, mixture with antioxidant 61432-55-1D, Dimepiperate, mixture
with antioxidant 63843-89-0D, Tinuvin 144, mixture with pesticide
63935-38-6D, (Cycloprothrin, mixture with antioxidant 64249-01-0D,
Anilofos, mixture with antioxidant 64902-72-3D, Chlorsulfuron, mixture with
antioxidant 66063-05-6D, Pencycuron, mixture with antioxidant
66230-04-4D, (Esfenvalerate, mixture with antioxidant 66246-88-6D,
Penconazole, mixture with antioxidant 67129-08-2D, Metazachlor, mixture with
antioxidant 67306-00-7D, FEnpropidine, mixture with antioxidant
67375-30-8D, (Alphacypermethrin, mixture with antioxidant 67564-91-4D,
FEnpropimorph, mixture with antioxidant 67747-09-5D, Prochloraz, mixture
with antioxidant 68049-83-2D, Azafenidin, mixture with antioxidant
68085-85-8D, (Cyhalothrin, mixture with antioxidant 68359-37-5D,
Cyfluthrin, mixture with antioxidant 68505-69-1D, Benfuresate, mixture with
antioxidant 68694-11-1D, Triflumizole, mixture with antioxidant
69377-81-7D, Fluroxypyr, mixture with antioxidant 69770-45-2D,
(Flumethrin, mixture with antioxidant 69806-34-4D, Haloxypop, mixture with
antioxidant 69806-50-4D, Fluazifopbutyl, mixture with antioxidant
70248-65-6D, Methionine sulfoxide reductase, mixture with pesticide
70630-17-0D, R-Metalaxyl, mixture with antioxidant 71239-70-8D,
Cellotetraosylsitosterol, mixture with pesticide 71283-80-2D, mixture with
antioxidant 71561-11-0D, Pyrazoxyfen, mixture with antioxidant
71626-11-4D, Benalaxyl, mixture with antioxidant 71697-59-1D, (Theta
cypermethrin, mixture with antioxidant 72178-02-0D, ,Fomesafen, mixture with
antioxidant 72459-58-6D, Triazoxide, mixture with antioxidant
72963-72-5D, Imiprothrin, mixture with antioxidant 73250-68-7D, Mefenacet,
mixture with antioxidant 73989-17-0D, Avermectin, mixture with antioxidant
74051-80-2D, Sethoxydim, mixture with antioxidant 74070-46-5D, Aclonifen,
mixture with antioxidant 74223-64-6D, Metsulfuronmethyl, mixture with
antioxidant 74712-19-9D, Bromobutide, mixture with antioxidant
74738-17-3D, Fenpiclonil, mixture with antioxidant 76578-12-6D,
Quizalofop, mixture with antioxidant 76674-21-0D, ,Flutriafol, mixture with
antioxidant 77182-82-2D, Glufosinateammonium, mixture with antioxidant
77501-63-4D, Lactofen, mixture with antioxidant 77501-90-7D,
Fluoroglycofenethyl, mixture with antioxidant 77732-09-3D, Oxadixyl, mixture
with antioxidant 79241-46-6D, mixture with antioxidant 79277-27-3D,
Thifensulfuronmethyl, mixture with antioxidant 79540-50-4D, Etobenzanid,
mixture with antioxidant 79983-71-4D, Hexaconazole, mixture with antioxidant
81334-34-1D, Imazapyr, mixture with antioxidant 81335-37-7D, Imazaquin,
mixture with antioxidant 81335-77-5D, Imazethapyr, mixture with antioxidant
81405-85-8D, Imazamethabenzmethyl, mixture with antioxidant 81412-43-3D,
Tridemorph, mixture with antioxidant 81777-89-1D, Clomazone, mixture with
antioxidant 82097-50-5D, Triasulfuron, mixture with antioxidant
82558-50-7D, Isoxaben, mixture with antioxidant 82657-04-3D, Bifenthrin,
mixture with antioxidant 82692-44-2D, ,Benzofenap, mixture with antioxidant
83055-99-6D, Bensulfuronmethyl, mixture with antioxidant 83164-33-4D,
Diflufenican, mixture with antioxidant 83657-24-3D, Diniconazole, mixture
with antioxidant 84087-01-4D, Quinclorac, mixture with antioxidant

84496-56-0D, Clomeprop, mixture with antioxidant 85509-19-9D, Flusilazole, mixture with antioxidant 85785-20-2D, Esprocarb, mixture with antioxidant 86209-51-0D, Primisulfuronmethyl, mixture with antioxidant 86763-47-5D, Propisochlor, mixture with antioxidant 87392-12-9D, S-Metolachlor, mixture with antioxidant 87546-18-7D, Flumicloracpentyl, mixture with antioxidant 87674-68-8D, Dimethenamid, mixture with antioxidant 87818-31-3D, Cinmethylin, mixture with antioxidant 87820-88-0D, Tralkoxydim, mixture with antioxidant 87833-54-3D, mixture with pesticide 88283-41-4D, ,Pyrifenoxy, mixture with antioxidant 88671-89-0D, Myclobutanil, mixture with antioxidant 88678-67-5D, Pyributicarb, mixture with antioxidant 89624-19-1D, Irganox, mixture with pesticide 90134-59-1D, Flamprop-M, mixture with antioxidant 90524-93-9D, mixture with pesticide 90717-03-6D, Quinmerac, mixture with antioxidant 90982-32-4D, Chlorimuronethyl, mixture with antioxidant 93697-74-6D, Pyrazosulfuronethyl, mixture with antioxidant 94051-08-8D, Quizalof op-P, mixture with antioxidant 94125-34-5D, ,Prosulfuron, mixture with antioxidant 94361-06-5D, Cyproconazole, mixture with antioxidant 94593-91-6D, Cinosulfuron, mixture with antioxidant 96491-05-3D, Thenylchlor, mixture with antioxidant 96525-23-4D, Flurtamone, mixture with antioxidant 97780-06-8 97886-45-8D, Dithiopyr, mixture with antioxidant 98967-40-9D, Flumetsulam, mixture with antioxidant 99105-77-8D, Sulcotrione, mixture with antioxidant 99129-21-2D, Clethodim, mixture with antioxidant 99485-76-4D, Cumyluron, mixture with antioxidant 100784-20-1D, Halosulfuronmethyl, mixture with antioxidant 101007-06-1D, Acrinathrin, mixture with antioxidant 101018-70-6D, ,2-Methyl-4-(dimethylaminomethyl)-5-hydroxybenzimidazole, mixture with pesticide 101200-48-0D, Tribenuronmethyl, mixture with antioxidant 101205-02-1D, Cycloxydim, mixture with antioxidant 103361-09-7D, Flumioxazin, mixture with antioxidant 104040-78-0D, Flazasulfuron, mixture with antioxidant 104098-48-8D, IMazapic, mixture with antioxidant **104206-82-8D**, MESotrione, mixture with antioxidant 104459-82-7D, AKH-7088, mixture with antioxidant 105512-06-9D, Clodinafoppropargyl, mixture with antioxidant 107534-96-3D, Tebuconazole, mixture with antioxidant 108173-90-6D, Guazatine, mixture with antioxidant 109293-97-2D, Diflufenzopyr, mixture with antioxidant 110488-70-5D, Dimethomorph, mixture with antioxidant 110956-75-7D, Pentoxazone, mixture with antioxidant 111479-05-1D, PROpaquizafof, mixture with antioxidant 111578-32-6D, Metobenzuron, mixture with antioxidant 112143-82-5D, Triazamate, mixture with antioxidant 112226-61-6D, mixture with antioxidant 112281-77-3D, Tetraconazole, mixture with antioxidant 113614-08-7D, Beflubutamid, mixture with antioxidant 114311-32-9D, Imazamox, mixture with antioxidant 114369-43-6D, Fenbuconazole, mixture with antioxidant 116255-48-2D, Bromuconazole, mixture with antioxidant 117337-19-6D, Fluthiacetmethyl, mixture with antioxidant 117428-22-5D, ZEN90160, mixture with antioxidant 117718-60-2D, Thiazopyr, mixture with antioxidant 118134-30-8D, SPiroxamine, mixture with antioxidant 118712-89-3D, Transfluthrin, mixture with antioxidant 119168-77-3D, Tebufenpyrad, mixture with antioxidant 119446-68-3D, Difenconazole, mixture with antioxidant 120068-37-3D, Fipronil, mixture with antioxidant 120162-55-2D, Azimsulfuron, mixture with antioxidant 120923-37-7D, Amidosulfuron, mixture with antioxidant 121552-61-2D, Cyprodinil, mixture with antioxidant 122008-85-9D, Cyhalof opbutyl, mixture with antioxidant 122548-33-8D, Imazosulfuron, mixture with antioxidant 122931-48-0D, Rimsulfuron, mixture with antioxidant 123343-16-8D, Pyriithiobacsodium, mixture with antioxidant 124495-18-7D, Quinoxifen, mixture with antioxidant 125116-23-6D, Metconazole, mixture with antioxidant 125306-83-4D, Cafenstrole, mixture with antioxidant 125401-92-5D, Bispyribacsodium, mixture with antioxidant 126535-15-7D, Triflusulfuronmethyl, mixture with antioxidant 126801-58-9D, Ethoxysulfuron, mixture with antioxidant 128639-02-1D, Carfentrazoneethyl, mixture with antioxidant 129630-19-9D, Pyraflufen-ethyl, mixture with antioxidant 129909-90-6D, Amicarbazone, mixture with antioxidant 131086-42-5D, ,HC-252, mixture with antioxidant 131341-86-1D, Fludioxonil, mixture with antioxidant 131475-57-5D, Triaziflam, mixture with antioxidant

131807-57-3D, ,Famoxadone, mixture with antioxidant 131860-33-8D, Azoxystrobin, mixture with antioxidant 131983-72-7D, Triticonazole, mixture with antioxidant 133220-30-1D, Indanofan, mixture with antioxidant 134605-64-4D, Butafenacil, mixture with antioxidant 135158-54-2, Acibenzolar-S-methyl 135410-20-7D, Acetamiprid, mixture with antioxidant 136426-54-5D, Fluquinconazole, mixture with antioxidant 136849-15-5D, Cyclosulfamuron, mixture with antioxidant 137641-05-5D, Picolinafen, mixture with antioxidant 138164-12-2D, Butoxydim, mixture with antioxidant 139001-49-3D, BAS 625 H, mixture with antioxidant 139528-85-1D, Metosulam, mixture with antioxidant 141112-29-0D, Isoxaflutole, mixture with antioxidant 141776-32-1D, Sulfosulfuron, mixture with antioxidant 142459-58-3D, FLufenacet, mixture with antioxidant 142891-20-1D, Cinidonethyl, mixture with antioxidant 143390-89-0D, Kresoximmethyl, mixture with antioxidant 144550-36-7D, Iodosulfuronmethylsodium, mixture with antioxidant 144651-06-9D, Oxasulfuron, mixture with antioxidant 144740-54-5D, Flupyrsulfuronmethylsodium, mixture with antioxidant 145701-21-9D, Diclosulam, mixture with antioxidant 145701-23-1D, Florasulam, mixture with antioxidant

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(seed and plant treatment composition to improve germination, plant health and yield)

IT 147150-35-4D, ,Cloransulammethyl, mixture with antioxidant 147411-69-6D, Pyriminobacmethyl, mixture with antioxidant 149508-90-7D, Simeconazole, mixture with antioxidant 149979-41-9D, Tepraloxym, mixture with antioxidant 150035-60-2D, mixture with pesticide 150824-47-8D, Nitenpyr, mixture with antioxidant 153719-22-3D, mixture with antioxidant **153719-23-4D**, Thiamethoxam, mixture with antioxidant 156555-51-0D, Cycloeucalenol trans-ferulate, mixture with pesticide 156963-66-5D, Benzobicyclon, mixture with antioxidant 158237-07-1D, Fentrazamide, mixture with antioxidant 160791-64-0D, mixture with antioxidant 161050-58-4D, Methoxyfenozide, mixture with antioxidant 161326-34-7D, FEnamidone, mixture with antioxidant 168088-61-7D, Pyribenzoxim, mixture with antioxidant 168316-95-8D, XDE 105, mixture with antioxidant 168316-95-8D, Spinosad, mixture with antioxidant 174514-07-9D, FLuazolate, mixture with antioxidant 175217-20-6D, Silthiopham, mixture with antioxidant 181274-15-7D, MKH-6561, mixture with antioxidant 181274-17-9D, Flucarbazonessodium, mixture with antioxidant 210880-92-5D, Clothianidin, mixture with antioxidant 286011-27-6D, mixture with pesticide 286011-28-7D, 24-Methylenecycloartanol trans-ferulate, mixture with pesticide 286011-29-8D, 24-Methylcholesterol trans-ferulate, mixture with pesticide 286011-30-1D, mixture with pesticide 286011-35-6D, mixture with pesticide 286011-37-8D, 24-Methylenecycloartanol cis-ferulate, mixture with pesticide 286011-38-9D, Cycloeucalenol cis-ferulate, mixture with pesticide 286011-41-4D, 24-Methylcholesterol cis-ferulate, mixture with pesticide 286011-43-6D, β -Sitosterol cis-ferulate, mixture with pesticide 545386-92-3D, mixture with pesticide 786680-84-0D, mixture with pesticide 786680-85-1D, Stigmastenol trans-ferulate, mixture with pesticide 786680-86-2D, Stigmastenol cis-ferulate, mixture with pesticide 786680-87-3D, Campesterol cis-ferulate, mixture with pesticide 786680-88-4D, Campesterol trans-ferulate, mixture with pesticide 786680-89-5D, mixture with pesticide

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(seed and plant treatment composition to improve germination, plant health and yield)

AB Methods and compns. are described for the treatment of plants and plant propagation materials with an antioxidant alone or in combination with a pesticide for improved germination rates. Plants that grow from treated plant propagation materials, or plants that are treated directly, show improved stand d. or vigor, and/or improved yields.

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RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FILE 'REGISTRY' ENTERED AT 11:31:50 ON 26 JAN 2011

L1 0 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 7440-50-8D/RN
L2 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 7440-50-8/RN
D
E MESOTRIONE/CN
L3 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON MESOTRIONE/CN
D

FILE 'REGISTRY' ENTERED AT 11:34:05 ON 26 JAN 2011

L4 0 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 104206-82-8D
L5 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 104206-82-8

FILE 'CAPLUS' ENTERED AT 11:34:45 ON 26 JAN 2011

L6 153 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON 104206-82-8D

FILE 'REGISTRY' ENTERED AT 11:34:59 ON 26 JAN 2011

E CHLORPYRIFOS/CN
L7 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON CHLORPYRIFOS/CN
E CHLORPYRIFOS-METHYL/CN
L8 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON CHLORPYRIFOS-METHYL/C
N
E TERBUFOS/CN
L9 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON TERBUFOS/CN
L10 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON TEFLUTHRIN/CN
E TEFLUTHRIN/CN
E THIAMETHOXAM/CN
L11 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON THIAMETHOXAM/CN

FILE 'CAPLUS' ENTERED AT 11:38:30 ON 26 JAN 2011

L12 19 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L6 AND (L7 OR L8 OR L9
OR L10 OR L11)
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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=> e thiamethoxam/cn

E1	1	THIAMETHAXAM/CN
E2	1	THIAMETHON/CN
E3	1 -->	THIAMETHOXAM/CN
E4	1	THIAMETHOXAM-AVERMECTIN MIXT./CN
E5	1	THIAMETHOXAM-BACILLUS FIRMUS MIXT./CN
E6	1	THIAMETHOXAM-BETA-CYFLUTHRIN MIXT./CN
E7	1	THIAMETHOXAM-CHLORANTRANILIPROLE MIXT./CN
E8	1	THIAMETHOXAM-CHLORFENAPYR MIXT./CN
E9	1	THIAMETHOXAM-CYHALOTHRIN MIXT./CN
E10	1	THIAMETHOXAM-DICHLORBENZURON MIXT./CN
E11	1	THIAMETHOXAM-DICHLORVOS MIXT./CN
E12	1	THIAMETHOXAM-DIFENOCONAZOLE-FLUDIOXONIL-METALAXYL-M MIXT./CN

=> s e3

L1	1	THIAMETHOXAM/CN
----	---	-----------------

=> e teflurin/cn

E13	1	TEFLURAN/CN
E14	1	TEFLURANE/CN
E15	0 -->	TEFLURIN/CN
E16	1	TEFLURON/CN
E17	1	TEFLUTHRIN/CN
E18	1	TEFLUTHRIN CS/CN
E19	1	TEFLUTHRIN-ACEPHATE MIXT./CN
E20	1	TEFLUTHRIN-AVERMECTIN MIXT./CN
E21	1	TEFLUTHRIN-BUTYLENE-FIPRONIL MIXT./CN
E22	1	TEFLUTHRIN-CHLORPYRIFOS MIXT./CN
E23	1	TEFLUTHRIN-CLOTHIANIDIN MIXT./CN
E24	1	TEFLUTHRIN-DIAZINON MIXT./CN

=> e tefluthrin/cn

E25	1	TEFLURANE/CN
E26	1	TEFLURON/CN
E27	1 -->	TEFLUTHRIN/CN

E28	1	TEFLUTHRIN CS/CN
E29	1	TEFLUTHRIN-ACEPHATE MIXT./CN
E30	1	TEFLUTHRIN-AVERMECTIN MIXT./CN
E31	1	TEFLUTHRIN-BUTYLENE-FIPRONIL MIXT./CN
E32	1	TEFLUTHRIN-CHLORPYRIFOS MIXT./CN
E33	1	TEFLUTHRIN-CLOTHIANIDIN MIXT./CN
E34	1	TEFLUTHRIN-DIAZINON MIXT./CN
E35	1	TEFLUTHRIN-FIPRONIL MIXT./CN
E36	1	TEFLUTHRIN-IKI 220 MIXT./CN

=> s e27

L2	1	TEFLUTHRIN/CN
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=> e ferbufos/cn

E37	1	FERBERK/CN
E38	1	FERBITOL/CN
E39	0	--> FERBUFOS/CN
E40	1	FERCHEK/CN
E41	1	FERCHROMIDE/CN
E42	1	FERCHROMONE/CN
E43	1	FERCHROMONOL/CN
E44	1	FERCOLIDE/CN
E45	1	FERCOMIN/CN
E46	1	FERCOPRENOL/CN
E47	1	FERCOPRENOL MONOACETATE/CN
E48	1	FERCOPROLONE/CN

=> e terbufos/cn

E49	1	TERBUFIBROL/CN
E50	1	TERBUFICIN/CN
E51	1	--> TERBUFOS/CN
E52	1	TERBUFOS OXON/CN
E53	1	TERBUFOS OXON SULFONE/CN
E54	1	TERBUFOS OXON SULFOXIDE/CN
E55	1	TERBUFOS SULFONE/CN
E56	1	TERBUFOS SULFOXIDE/CN
E57	1	TERBUFOS-IKI 220 MIXT./CN
E58	1	TERBUFOS-PIPERONYL BUTOXIDE MIXT./CN
E59	1	TERBUFOXON/CN
E60	1	TERBUFOXON SULFONE/CN

=> s e51

L3	1	TERBUFOS/CN
----	---	-------------

=> s chlorpyrifos/cn

L4	1	CHLORPYRIFOS/CN
----	---	-----------------

=> e chlorpyrifos-methyl/cn

E61	1	CHLORPYRIFOS-LAMBDA-CYHALOTHRIN MIXT./CN
E62	1	CHLORPYRIFOS-MALATHION MIXT./CN
E63	1	--> CHLORPYRIFOS-METHYL/CN
E64	1	CHLORPYRIFOS-METHYL METHOPRENE MIXT./CN
E65	1	CHLORPYRIFOS-METHYL OXON/CN
E66	1	CHLORPYRIFOS-METHYL-BIORESMETHRIN MIXT./CN
E67	1	CHLORPYRIFOS-METHYL-CYHALOTHRIN MIXT./CN
E68	1	CHLORPYRIFOS-METHYL-CYPERMETHRIN MIXT./CN
E69	1	CHLORPYRIFOS-METHYL-DELTAMETHRIN MIXT./CN
E70	1	CHLORPYRIFOS-MINERAL OIL MIXT./CN
E71	1	CHLORPYRIFOS-NITENPYRAM MIXT./CN
E72	1	CHLORPYRIFOS-PERMETHRIN MIXT./CN

=> s e63

L5 1 CHLORPYRIFOS-METHYL/CN

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

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=> s herbicide (1) (11 or 12 or 13 or 14 or 15)

82857 HERBICIDE
73302 HERBICIDES
98832 HERBICIDE
(HERBICIDE OR HERBICIDES)

1642 L1
632 L2
1234 L3
10665 L4
1850 L5

L6 90 HERBICIDE (L) (L1 OR L2 OR L3 OR L4 OR L5)

=> s herbicide (1) (11 and 12 and 13 and 14 and 15)

PROXIMITY OPERATION NOT ALLOWED

Certain operators may not be nested in combination with other operators. A nested operator is valid only when it occurs at the same level or above the operator outside the nested phrase as determined by the following precedence list:

1. Numeric
2. (W), (NOTW), (A), (NOTA)
3. (S), (NOTS)
4. (P), (NOTP)
5. (L), (NOTL)

6. AND, NOT
7. OR

For example, '(MONOCLONAL(W)ANTIBOD?)(L)ANTIGEN?' is valid since (W) is above (L) on the precedence list. However, '((THIN(W)LAYER)(L)PHOSPHOLIPID#)(A)LACTONE#' is not valid since (L) is below (A) on the precedence list. The only exception is the 'OR' operator. This operator may be used in combination with any other operator. For example, '(ATOMIC OR NUCLEAR)(W)REACTOR' is valid.

=> s herbicide (1) 11 (1) 12 (1) 13 (1) 14 (1) 15

82857 HERBICIDE

73302 HERBICIDES

98832 HERBICIDE

(HERBICIDE OR HERBICIDES)

1642 L1

632 L2

1234 L3

10665 L4

1850 L5

L7 0 HERBICIDE (L) L1 (L) L2 (L) L3 (L) L4 (L) L5

=> s herbicide (1) 11 (1) 12 (1) 13 (1) 14

82857 HERBICIDE

73302 HERBICIDES

98832 HERBICIDE

(HERBICIDE OR HERBICIDES)

1642 L1

632 L2

1234 L3

10665 L4

L8 0 HERBICIDE (L) L1 (L) L2 (L) L3 (L) L4

=> s herbicide (1) 11 (1) 12 (1) 13

82857 HERBICIDE

73302 HERBICIDES

98832 HERBICIDE

(HERBICIDE OR HERBICIDES)

1642 L1

632 L2

1234 L3

L9 0 HERBICIDE (L) L1 (L) L2 (L) L3

=> s herbicide (1) 11 (1) 12

82857 HERBICIDE

73302 HERBICIDES

98832 HERBICIDE

(HERBICIDE OR HERBICIDES)

1642 L1

632 L2

L10 0 HERBICIDE (L) L1 (L) L2

=> d 16 ibib hit 80-90

L6 ANSWER 80 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1980:420602 CAPLUS

DOCUMENT NUMBER: 93:20602

ORIGINAL REFERENCE NO.: 93:3447a,3450a

TITLE: Effect of five pesticides on the mycelial growth of some soil and pathogenic fungi

AUTHOR(S): El-Hissy, F. T.; Abdel-Kader, M. I. A.

CORPORATE SOURCE: Fac. Sci., Assiut Univ., Assiut, Egypt

SOURCE: Zeitschrift fuer Allgemeine Mikrobiologie (1980),
20(4), 257-63
CODEN: ZAPOAK; ISSN: 0044-2208
DOCUMENT TYPE: Journal
LANGUAGE: English
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
(2 CITINGS)

AB The effect of 3 doses (the lowest is the recommended field dose) of Ceresan [107-27-7], Orthocide [133-06-2] (fungicides), VCS-438 [20354-26-1] (**herbicide**), and Dursban [2921-88-2] and Dipterex [52-68-6] (insecticides) on the mycelial dry weight of *Aspergillus fumigatus*, *Fusarium moniliforme*, *Penicillium italicum*, and *Sclerotium cepivorum* was tested 2, 4, 6, 8 and 10 days after treatment. All the pesticides induced inhibition of mycelial growth of the test fungi. Only VCS-438 at the low dose was stimulatory to *F. moniliforme* after 4 and 6 days and to *P. italicum* after 4 days. The rate of inhibition was influenced by the type of fungus, the age of the mycelium, and the dose of the pesticide. At the end of the experiment the two fungicides were detoxified by the test fungi at a rate higher than that of the other pesticides.

L6 ANSWER 81 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1980:214050 CAPLUS
DOCUMENT NUMBER: 92:214050
ORIGINAL REFERENCE NO.: 92:34671a,34674a
TITLE: Transformations of soil nitrogen associated with urea fertilization combined with pesticide application
AUTHOR(S): Moawad, A. A. Hassan; Zohdy, L. I.; El-Din, H. Gamal; El-Din, S. M. S. Badr
CORPORATE SOURCE: Natl. Res. Cent., Cairo, Egypt
SOURCE: Egyptian Journal of Microbiology (1979), 14(1-2), 21-8
CODEN: EJMBA2; ISSN: 0301-8172
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A laboratory experiment was carried out to study the effect of some pesticides Cotoran [2164-17-2], Dursban [2921-88-2], zineb [12122-67-7] and Temik [116-06-3] on the transformations of N in urea-treated soil. The application of pesticides, at field rates, retarded urea hydrolysis in the investigated loamy soil. Among the used pesticides, Temik (nematocide) proved to be the most effective in this respect followed by Cotoran (**herbicide**). Similarly, the nitrification process was also retarded as indexed by the low densities of nitrifiers and amts. of nitrate-N early in the exptl. period. Such temporary retardation permits a stream of NH₃ to be nitrified gently by nitrifiers, hence, reducing the losses of NH₃ and allowing high accumulation of NO₃ in pesticide treatments. The possibility of regulating the processes involved in the transformation of N in urea-treated soil by com. pesticides was discussed.

L6 ANSWER 82 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1980:175419 CAPLUS
DOCUMENT NUMBER: 92:175419
ORIGINAL REFERENCE NO.: 92:28335a,28338a
TITLE: Influence of selected pesticides on the microbial degradation of 14C-triallate and 14C-diallate in soil
AUTHOR(S): Anderson, John P. E.; Domsch, Klaus H.
CORPORATE SOURCE: Inst. Bodenbiol., Bundesforschungsanst. Landwirtsch., Braunschweig, D 3300, Fed. Rep. Ger.
SOURCE: Archives of Environmental Contamination and Toxicology (1980), 9(1), 115-23
CODEN: AECTCV; ISSN: 0090-4341
DOCUMENT TYPE: Journal
LANGUAGE: English
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD

(2 CITINGS)

AB Degradation in soil of allyl-2-14C-labeled triallate [2303-17-5] and carbonyl-14C-labeled diallate [2303-16-4], as affected by other selected pesticides, was studied in an incubation system that allowed recovery of 95-100% of added 14C. The amount and sequence of pesticide addns. simulated field use in the protection of wheat (triallate) and sugar beets (diallate). Neither the rate nor the pattern of triallate degradation in soil was influenced by the following sequence of formulated pesticides: dinoseb acetate [2813-95-8], bentazon-dichlorprop-2,4,5-T mixture [71437-59-7], 2,4-D [94-75-7], chlorcholine chloride-choline chloride mixture [73482-05-0], tridemorph [24602-86-6], and thiophanate [23564-06-9]. Similarly, diallate degradation was unaffected by pyrazon [1698-60-8], dimethoate [60-51-5], and thiophanate. The effect of azinphosmethyl [86-50-0] was unclear. In contrast, chlorpyrifos (I) [2921-88-2] reduced diallate degradation by .apprx.14% relative to that occurring in the insecticide's absence. This effect was caused by I and not its formulation components. I also partially inhibited degradation of triallate in soil. Inhibition of neither **herbicide** was considered to be of ecol. significance. Triallate, diallate, and thiophanate were applied at 1 µg/g; all others were at 2 µg/g.

L6 ANSWER 83 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1980:122949 CAPLUS

DOCUMENT NUMBER: 92:122949

ORIGINAL REFERENCE NO.: 92:19957a,19960a

TITLE: Results of studies on the toxicity to bees of plant protective agents and their effects

AUTHOR(S): Kupetz, H.; Nieder, G.; Wegner, H.

CORPORATE SOURCE: Vienna, Austria

SOURCE: Pflanzenschutzberichte (1979), Volume Date 1976, 45(7-12), 165-88

CODEN: PSBEA4; ISSN: 0031-675X

DOCUMENT TYPE: Journal

LANGUAGE: German

AB Of 28 insecticides (and acaricides) tested for oral and contact toxicity for honeybees, dioxacarb (I) [6988-21-2], chlorpyrifos [2921-88-2], Etrimfos [38260-54-7], SRA 774 [72962-59-5], acephate [30560-19-1], dimefox [115-26-4], chlorthiophos [60238-56-4], and ethiofencarb [29973-13-5] were the most toxic. Of 29 fungicides, only Afugan [13457-18-6] was toxic. Of 47 **herbicides**, only Avenge [43222-48-6] and Butisan [21267-72-1] were toxic.

L6 ANSWER 84 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1979:181568 CAPLUS

DOCUMENT NUMBER: 90:181568

ORIGINAL REFERENCE NO.: 90:28765a,28768a

TITLE: Selective effects of five pesticides on soil and cotton-rhizosphere and rhizoplane fungus flora

AUTHOR(S): Abdel-Kader, M. I. A.; Moubasher, A. H.; Abdel-Hafez, S. I.

CORPORATE SOURCE: Fac. Sci., Assiut Univ., Assiut, Egypt

SOURCE: Mycopathologia (1978), 66(1-2), 117-23

CODEN: MYCPAH; ISSN: 0369-299X

DOCUMENT TYPE: Journal

LANGUAGE: English

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

AB Ceresan [107-27-7] and Orthocide [133-06-2] (fungicides used as seed dressing) after 3 days were toxic to the total count of soil fungi and to almost all fungal genera and species. After 40 days their toxicity was almost alleviated in the soil, but persisted in the rhizosphere. The **herbicide**, VCS 438 [20354-26-1], did not affect the total count

of soil fungi but was initiative to the total rhizosphere fungi. Some fungal species were promoted in the soil and rhizosphere and others were depressed. Dipterex [52-68-6] (insecticide) increased the total count of soil fungi after 3 days, especially to some specific fungii but this effect was almost gone after 40 days. In the rhizosphere, it increased the total count of fungi and on some fungal genera and species. Dursban [2921-88-2] (insecticide) had no effect on the total count of soil and rhizosphere fungi, but few species were promoted. The rhizoplane fungi were the least sensitive, and none of the 5 pesticides induced effect on the total count, but some species were either promoted or inhibited.

L6 ANSWER 85 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1978:471976 CAPLUS
DOCUMENT NUMBER: 89:71976
ORIGINAL REFERENCE NO.: 89:11055a,11058a
TITLE: Preliminary research on the combined effects of herbicides and soil disinfectants on sugar beets
AUTHOR(S): Pritoni, G.; Quaquarelli, S.; Catizone, P.; Venturi, G.
CORPORATE SOURCE: Ist. Agron. Gen. Coltiv. Erbacee, Univ. Bologna, Bologna, Italy
SOURCE: Industria Saccarifera Italiana (1978), 71(1), 5-10
CODEN: INSIAN; ISSN: 0019-7734
DOCUMENT TYPE: Journal
LANGUAGE: Italian

AB The **herbicides** metamitron [41394-05-2] and pyrazon [1698-60-8] singly or combined with lindane [58-89-9], bendiocarb [22781-23-3], thiofanox, [39196-18-4], and terbufos [13071-79-9] showed no phytotoxicity to sugar beet in field expts. Phorate [298-02-2] and carbofuran [1563-66-2] were slightly phytotoxic, independently of **herbicides**. All treatments increased the root and sugar yield. The **herbicides** increased the polarimetric sugar content and decreased the Na content of the pulp.

IT 58-89-9 298-02-2 1563-66-2 13071-79-9 22781-23-3
39196-18-4
RL: BIOL (Biological study)
(sugar beet response to **herbicides** and)

L6 ANSWER 86 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1977:479650 CAPLUS
DOCUMENT NUMBER: 87:79650
ORIGINAL REFERENCE NO.: 87:12645a,12648a
TITLE: Phytotoxicity due to soil insecticides and herbicides in sugar beet growing for 1976
AUTHOR(S): Bongiovanni, Gian Carlo
CORPORATE SOURCE: Italy
SOURCE: Informatore Fitopatologico (1977), 27(2), 21-3
CODEN: INFAP; ISSN: 0020-0735
DOCUMENT TYPE: Journal
LANGUAGE: Italian

AB Of 4 soil-applied insecticides tested, thiophanox [39196-18-4] and phorate [298-02-2] were phytotoxic to sugar beet. Carbofuran [1563-66-2] was slightly phytotoxic, and terbufos [13071-79-9] did not damage sugar beet. Of 2 preplant **herbicides** tested, lenacil [2164-08-1] was more phytotoxic to the beet than pyrazon [1698-60-8]. When applied together, the **herbicides** showed no synergism with the insecticides.

L6 ANSWER 87 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1977:84410 CAPLUS
DOCUMENT NUMBER: 86:84410

ORIGINAL REFERENCE NO.: 86:13309a,13312a
TITLE: Toxicity of five ricefield pesticides to the
mosquitofish, *Gambusia affinis*, and green sunfish,
Lepomis cyanellus, under laboratory and field
conditions in Arkansas
AUTHOR(S): Davey, Ronald B.; Meisch, M. V.; Carter, Frank L.
CORPORATE SOURCE: Dep. Entomol., Univ. Arkansas, Fayetteville, AR, USA
SOURCE: Environmental Entomology (1976), 5(6), 1053-6
CODEN: EVETBX; ISSN: 0046-225X
DOCUMENT TYPE: Journal
LANGUAGE: English
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD
(3 CITINGS)

AB Of the 5 pesticides tested in the laboratory, parathion (I) [56-38-2] and
chlorpyrifos (II) [2921-88-2] were the most toxic to green
sunfish and I was the most toxic to mosquitofish. Carbofuran [1563-66-2]
was the least toxic insecticide to both species. Insecticides were more
toxic than **herbicides**, and of the latter, propanil [709-98-8]
was more toxic than molinate [2212-67-1]. In field expts., only I and II
caused >10% fish mortality. The LC50 and LC90 values for the 5 pesticides
were determined

L6 ANSWER 88 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1974:515615 CAPLUS
DOCUMENT NUMBER: 81:115615
ORIGINAL REFERENCE NO.: 81:18260h,18261a
TITLE: Toxicity of herbicides and mosquito larvicides to the
mosquito fish *Gambusia affinis*
AUTHOR(S): Darwazeh, H. A.; Mulla, M. S.
CORPORATE SOURCE: Dep. Entomol., Univ. California, Riverside, CA, USA
SOURCE: Mosquito News (1974), 34(2), 214-19
CODEN: MOSQAU; ISSN: 0027-142X
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Soil sterilant type **herbicides**, atrazine (I) [1912-24-9],
simazine [122-34-9], propazine [139-40-2], caparol [7287-19-6], ametryne
[834-12-8], and pramitol [2-methoxy-4,6-bis(isopropylamino)-s-triazine]
[1610-18-0], caused no acute mortality to mosquito fish (*G. affinis*)
within 48 hr at concns. up to 10 ppm in laboratory expts., or within 5 days at

5

lb/acre active ingredient in field ponds. Abate [3383-96-8], in laboratory
expts., caused no fish mortality at 5 ppm within 48 hr, however,
chlorpyrifos [2921-88-2], Bay 69047 [19645-42-2], and Bay 77488
[14816-18-3] at 5 ppm produced complete mortality. In field ponds,
chlorpyrifos, Bay 77488 and 69047, at larvicidal rates (<0.1 ppm), caused
negligible fish mortality. Akton [1757-18-2] (0.1 lb/acre) was highly
toxic to the fish. The toxicity of aliphatic amines to the fish varied
according to the type of solvents used. At larvicidal rates (1-5 ppm),
most formulations were highly toxic in the laboratory, but no acute toxicity

was

observed at the larvicidal rate (0.25-1.0 lb/acre) in the field. Surface
breathing insects and water skimming spiders, however, were adversely
affected.

L6 ANSWER 89 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1973:401074 CAPLUS
DOCUMENT NUMBER: 79:1074
ORIGINAL REFERENCE NO.: 79:211a,214a
TITLE: Avoidance of pesticides by grass shrimp (*Palaemonetes*
pugio)
AUTHOR(S): Hansen, David J.; Schimmel, Steven C.; Keltner, James
M., Jr.

CORPORATE SOURCE: Gulf Breeze Lab., Environ. Prot. Agency, Gulf Breeze,
FL, USA
SOURCE: Bulletin of Environmental Contamination and Toxicology
(1973), 9(3), 129-33
CODEN: BECTA6; ISSN: 0007-4861
DOCUMENT TYPE: Journal
LANGUAGE: English
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD
(3 CITINGS)

AB The euryhaline grass shrimp (*P. pugio*) avoided the **herbicide**,
2,4-D 2-butoxyethyl ester (I) [1929-73-3] (1.0 and 10.0 ppm) by seeking
water free of this **herbicide**, but did not avoid any of 5
insecticides DDT [50-29-3], endrin [72-20-8], Dursban [2921-88-2
, malathion [121-75-5], or sevin [63-25-2]) avoided by some fish species
in earlier expts. Thus, crustaceans may be particularly sensitive to
insecticide due to their inability to avoid pesticide pollution.

L6 ANSWER 90 OF 90 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 1973:68155 CAPLUS
DOCUMENT NUMBER: 78:68155
ORIGINAL REFERENCE NO.: 78:10799a,10802a
TITLE: Insecticidal seed dressings on drill-seeded rice to
control the rice water weevil
AUTHOR(S): Gifford, J. R.; Oliver, B. F.; Trahan, G. B.
CORPORATE SOURCE: Entomol. Res. Div., Agric. Res. Serv., Baton Rouge,
LA, USA
SOURCE: Journal of Economic Entomology (1972), 65(5), 1380-3
CODEN: JEENAI; ISSN: 0022-0493
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Out of 45 insecticides field tested as seed dressings on drill-seeded rice
to control the rice water weevil (*Lissorhoptrus oryzophilus*), only
chlorpyrifos [2921-88-2] and PP 211
(O-[2-(diethylamino)-6-methyl-4-pyrimidinyl] O,O-di-Et phosphorothioate)
[23505-41-1] provided larval control without reducing the stand and
without interacting with the **herbicide** propanil to cause
seedling leaf burn.

=> s herbicide (1) (12 or 13 or 14 or 15)
82857 HERBICIDE
73302 HERBICIDES
98832 HERBICIDE
(HERBICIDE OR HERBICIDES)
632 L2
1234 L3
10665 L4
1850 L5
L11 85 HERBICIDE (L) (L2 OR L3 OR L4 OR L5)

=> s herbicide (1) 15
82857 HERBICIDE
73302 HERBICIDES
98832 HERBICIDE
(HERBICIDE OR HERBICIDES)
1850 L5
L12 5 HERBICIDE (L) L5

=> s herbicide (1) 14
82857 HERBICIDE
73302 HERBICIDES
98832 HERBICIDE

(HERBICIDE OR HERBICIDES)
10665 L4
L13 67 HERBICIDE (L) L4

=> s herbicide (1) 13
82857 HERBICIDE
73302 HERBICIDES
98832 HERBICIDE
(HERBICIDE OR HERBICIDES)
1234 L3
L14 25 HERBICIDE (L) L3

=> s herbicide (1) 12
82857 HERBICIDE
73302 HERBICIDES
98832 HERBICIDE
(HERBICIDE OR HERBICIDES)
632 L2
L15 7 HERBICIDE (L) L2

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L15 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 1993:96275 CAPLUS
DOCUMENT NUMBER: 118:96275
ORIGINAL REFERENCE NO.: 118:16733a,16736a
TITLE: Antidotes reducing pesticidal interactions with
herbicides in crops
INVENTOR(S): Bussler, Brett Hayden; Hakes, Harrison Ross; Mayonado,
David James
PATENT ASSIGNEE(S): Monsanto Co., USA
SOURCE: PCT Int. Appl., 331 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9211761	A1	19920723	WO 1991-US9783	19911230
W: AU, BG, BR, CA, CS, FI, HU, JP, KR, PL, RO, RU, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
US 5484760	A	19960116	US 1991-808590	19911220
AU 9191521	A	19920817	AU 1991-91521	19911230
EP 565593	A1	19931020	EP 1992-902922	19911230
EP 565593	B1	19990303		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
BR 9107199	A	19940405	BR 1991-7199	19911230
PRIORITY APPLN. INFO.:			US 1990-636360	A2 19901231
			US 1991-808590	A 19911220
			WO 1991-US9783	A 19911230

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 118:96275
OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
(2 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT 121-75-5 298-02-2, Thimet 333-41-5, Diazinon 944-22-9, Fonofos
1563-66-2, Furadan 13194-48-4, Ethoprop 54593-83-8
79538-32-2, Force (pesticide)
RL: AGR (Agricultural use); BAC (Biological activity or effector, except

adverse); BSU (Biological study, unclassified); BIOL (Biological study);
USES (Uses)
(neg. synergism of, with **herbicides**, antidotes for
suppression of)

=> d 115 ibib hit 1-6

L15 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2010:529321 CAPLUS
DOCUMENT NUMBER: 152:494925
TITLE: Use of sodium channel modulator herbicides on
transgenic, herbicide resistant cultivated plants
INVENTOR(S): Gewehr, Markus; Gladwin, Robert John; Logemann,
Juergen; Puente, Pilar; Stuiver, Maarten Hendrik;
Voeste, Dirk
PATENT ASSIGNEE(S): BASF SE, Germany
SOURCE: PCT Int. Appl., 184pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2010046382	A2	20100429	WO 2009-EP63783	20091021
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: EP 2008-167123 A 20081021
IT 121-21-1, Pyrethrin I 121-29-9, Pyrethrin II 584-79-2, Allethrin
7696-12-0, Tetramethrin 10453-86-8, Resmethrin 23031-36-9, Prallethrin
39515-40-7, Cyphenothrin 39515-41-8, Fenpropathrin 51630-58-1,
Fenvalerate 52315-07-8, Cypermethrin 52645-53-1, Permethrin
52918-63-5, Deltamethrin 63935-38-6, Cycloprothrin 66230-04-4,
Esfenvalerate 66841-25-6, Tralomethrin 68085-85-8, Cyhalothrin
68359-37-5, Cyfluthrin 70124-77-5, Flucythrinate 71697-59-1,
Theta-cypermethrin 72963-72-5, Imiprothrin 76703-62-3,
Gamma-cyhalothrin **79538-32-2**, Tefluthrin 80844-07-1,
Etofenprox 82657-04-3, Bifenthrin 101007-06-1, Acrinathrin
102851-06-9, Tau-fluvalinate 105024-66-6, Silafluofen 118712-89-3,
Transfluthrin 223419-20-3, Profluthrin 271241-14-6, Dimefluthrin
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(use of sodium channel modulator **herbicides** on transgenic,
herbicide resistant cultivated plants)

L15 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2009:1395518 CAPLUS
DOCUMENT NUMBER: 151:503920
TITLE: Method for protecting soybeans from being infected by
fungi using synergistically active combination of
fungicides, with optional herbicides and/or pesticides

INVENTOR(S): Groeger, Ulf; Strathmann, Siegfried; Vonend, Michael;
Haden, Egon
PATENT ASSIGNEE(S): BASF SE, Germany
SOURCE: PCT Int. Appl., 17pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2009135834	A2	20091112	WO 2009-EP55407	20090505
WO 2009135834	A3	20100923		
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
AR 71693	A1	20100707	AR 2009-101656	20090507
PRIORITY APPLN. INFO.:			EP 2008-155881	A 20080508
IT 1071-83-6D, Glyphosate, mixts. containing			1563-66-2D, Carbofuran, mixts. containing	
2921-88-2D, Chlorpyrifos, mixts. containing			13071-79-9D, Terbufos, mixts. containing	
35367-38-5D, Diflubenzuron, mixts. containing			51276-47-2D, Glufosinate, mixts. containing	
54593-83-8D, Chlorethoxyfos, mixts. containing			55285-14-8D, Carbosulfan, mixts. containing	
63837-33-2D, Diofenolan, mixts. containing			67375-30-8D, mixts. containing	
72490-01-8D, Fenoxycarb, mixts. containing			79538-32-2D, Tefluthrin, mixts. containing	
81334-34-1D, Imazapyr, mixts. containing			81335-37-7D, Imazaquin, mixts. containing	
81335-77-5D, Imazethapyr, mixts. containing			81591-81-3D, Sulfosate, mixts. containing	
82560-54-1D, Benfuracarb, mixts. containing			83121-18-0D, Teflubenzuron, mixts. containing	
96182-53-5D, Tebupirimfos, mixts. containing			101463-69-8D, Flufenoxuron, mixts. containing	
104098-48-8D, Imazapic, mixts. containing			111988-49-9D, Thiacloprid, mixts. containing	
114311-32-9D, Imazamox, mixts. containing			120068-37-3D, Fipronil, mixts. containing	
123312-89-0D, Pymetrozine, mixts. containing			135410-20-7D, Acetamiprid, mixts. containing	
138261-41-3D, Imidacloprid, mixts. containing			139968-49-3D, Metaflumizone, mixts. containing	
150824-47-8D, Nitenpyram, mixts. containing			153719-23-4D, Thiamethoxam, mixts. containing	
163515-14-8D, Dimethenamid-P, mixts. containing			165252-70-0D, Dinotefuran, mixts. containing	
210880-92-5D, Clothianidin, mixts. containing			581809-46-3D, Bixafen, mixts. containing	
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)			(method for protecting soybeans from being infected by fungi using synergistically active combination of fungicides, with optional herbicides and/or pesticides)	

L15 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2008:1299737 CAPLUS

DOCUMENT NUMBER: 149:507223

TITLE: Improving the productivity of transgenic plants by use of herbicides, fungicides, or insecticides

INVENTOR(S): Voeste, Dirk; Haden, Egon; McKersie, Bryan; Wang, Xi-Qing; Hudelson, Timothy
PATENT ASSIGNEE(S): BASF SE, Germany
SOURCE: PCT Int. Appl., 218pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008129060	A2	20081030	WO 2008-EP54924	20080423
WO 2008129060	A3	20090219		
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
AU 2008240710	A1	20081030	AU 2008-240710	20080423
CA 2682294	A1	20081030	CA 2008-2682294	20080423
EP 2076602	A2	20090708	EP 2008-749670	20080423
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS			
AR 67311	A1	20091007	AR 2008-101719	20080423
KR 2010015796	A	20100212	KR 2009-7022070	20080423
JP 2010524483	T	20100722	JP 2010-504673	20080423
IN 2009KN03308	A	20100709	IN 2009-KN3308	20090917
US 20100093715	A1	20100415	US 2009-596856	20091021
MX 2009011456	A	20091105	MX 2009-11456	20091023
CN 101668860	A	20100310	CN 2008-80013248	20091023
PRIORITY APPLN. INFO.:			US 2007-913349P	P 20070423
			WO 2008-EP54924	W 20080423

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD
(6 CITINGS)

IT 60-51-5D, Dimethoate, binary mixts. 62-73-7D, Dichlorvos, binary mixts.
63-25-2D, Carbaryl, binary mixts. 94-75-7D, 2,4-D, binary mixts.
115-29-7D, Endosulfan, binary mixts. 116-06-3D, Aldicarb, binary mixts.
122-14-5D, Fenitrothion, binary mixts. 133-06-2D, Captan, binary mixts.
133-07-3D, Folpet, binary mixts. 137-26-8D, Thiram, binary mixts.
298-00-0D, Methylparathion, binary mixts. 298-02-2D, Phorate, binary mixts.
330-54-1D, Diuron, binary mixts. 333-41-5D, Diazinon, binary mixts.
950-37-8D, Methidathion, binary mixts. 1071-83-6D, Glyphosate, binary mixts.
1563-66-2D, Carbofuran, binary mixts. 1582-09-8D, Trifluralin, binary mixts.
1593-77-7D, Dodemorph, binary mixts. 1689-84-5D, Bromoxynil, binary mixts.
1698-60-8D, Chloridazon, binary mixts. 1702-17-6D, Clopyralid, binary mixts.
1897-45-6D, Chlorothalonil, binary mixts. 1912-24-9D, Atrazine, binary mixts.
1918-00-9D, Dicamba, binary mixts. 1918-02-1D, Picloram, binary mixts.
2921-88-2D, Chlorpyrifos, binary mixts. 3347-22-6D, Dithianon, binary mixts.
4685-14-7D, Paraquat, binary mixts. 6923-22-4D, Monocrotophos, binary mixts.
8018-01-7D, Mancozeb, binary mixts. 9006-42-2D, Metiram, binary mixts.
10265-92-6D, binary mixts. 10605-21-7D, Carbendazim,

binary mixts. 12427-38-2D, Maneb, binary mixts. 13071-79-9D, Terbufos, binary mixts. 13356-08-6D, Fenbutatin oxide, binary mixts. 13684-63-4D, Phenmedipham, binary mixts. 15845-66-6D, Fosetyl, binary mixts. 16752-77-5D, Methomyl, binary mixts. 23564-05-8D, Thiophanate methyl, binary mixts. 25057-89-0D, Bentazone, binary mixts. 27605-76-1D, Probenazole, binary mixts. 30560-19-1D, Acephate, binary mixts. 34256-82-1D, Acetochlor, binary mixts. 35367-38-5D, Diflubenzuron, binary mixts. 36734-19-7D, Iprodione, binary mixts. 39148-24-8D, Fosetyl aluminum, binary mixts. 40487-42-1D, Pendimethalin, binary mixts. 41198-08-7D, Profenofos, binary mixts. 50471-44-8D, Vinclozolin, binary mixts. 50594-66-6D, Acifluorfen, binary mixts. 51218-45-2D, Metolachlor, binary mixts. 51235-04-2D, Hexazinone, binary mixts. 51276-47-2D, Glufosinate, binary mixts. 52315-07-8D, Cypermethrin, binary mixts. 52645-53-1D, Permethrin, binary mixts. 52918-63-5D, Deltamethrin, binary mixts. 53112-28-0D, Pyrimethanil, binary mixts. 55285-14-8D, Carbosulfan, binary mixts. 57837-19-1D, Metalaxyl, binary mixts. 57966-95-7D, Cymoxanil, binary mixts. 59669-26-0D, Thiodicarb, binary mixts. 60207-90-1D, Propiconazole, binary mixts. 66230-04-4D, Esfenvalerate, binary mixts. 67129-08-2D, Metazachlor, binary mixts. 67306-00-7D, Fenpropidin, binary mixts. 67375-30-8D, Alphacypermethrin, binary mixts. 67485-29-4D, Hydramethylnon, binary mixts. 67564-91-4D, Fenpropimorph, binary mixts. 67747-09-5D, Prochloraz, binary mixts. 68359-37-5D, Cyfluthrin, binary mixts. 69335-91-7D, Fluazifop, binary mixts. 69377-81-7D, Fluroxypyr, binary mixts. 69806-34-4D, Haloxypop, binary mixts. 71751-41-2D, Abamectin, binary mixts. 74051-80-2D, Sethoxydim, binary mixts. 74223-64-6D, Metsulfuronmethyl, binary mixts. 76674-21-0D, Flutriafol, binary mixts. **79538-32-2D**, Tefluthrin, binary mixts. 79622-59-6D, Fluzazinam, binary mixts. 81334-34-1D, Imazapyr, binary mixts. 81335-37-7D, Imazaquin, binary mixts. 81335-77-5D, Imazethapyr, binary mixts. 81412-43-3D, Tridemorph, binary mixts. 81591-81-3D, Sulfosate, binary mixts. 82657-04-3D, Bifenthrin, binary mixts. 83121-18-0D, Teflubenzuron, binary mixts. 84087-01-4D, Quinclorac, binary mixts. 85509-19-9D, Flusilazole, binary mixts. 87674-68-8D, Dimethenamid, binary mixts. 87818-31-3D, Cinmethylin, binary mixts. 88671-89-0D, Myclobutanil, binary mixts. 90717-03-6D, Quinmerac, binary mixts. 90982-32-4D, Chlorimuron ethyl, binary mixts. 95617-09-7D, Fenoxaprop, binary mixts. 99129-21-2D, Clethodim, binary mixts. 99283-01-9D, Bensulfuron, binary mixts. 100728-84-5D, Imazamethabenz, binary mixts. 101205-02-1D, Cycloxydim, binary mixts. 101463-69-8D, Flufenoxuron, binary mixts. 103055-07-8D, Lufenuron, binary mixts. 104098-48-8D, Imazapic, binary mixts. 104206-82-8D, Mesotrione, binary mixts. 107534-96-3D, Tebuconazole, binary mixts. 109293-97-2D, Diflufenzopyr, binary mixts. 110488-70-5D, Dimethomorph, binary mixts. 111988-49-9D, Thiachloprid, binary mixts. 111991-09-4D, Nicosulfuron, binary mixts. 112281-77-3D, Tetraconazole, binary mixts. 114311-32-9D, Imazamox, binary mixts. 114420-56-3D, Clodinafop, binary mixts. 118134-30-8D, Spiroxamine, binary mixts. 119446-68-3D, Difenconazole, binary mixts. 119791-41-2D, Emamectin, binary mixts. 120068-37-3D, Fipronil, binary mixts. 121552-61-2D, Cyprodinil, binary mixts. 122453-73-0D, Chlorfenapyr, binary mixts. 122931-48-0D, Rimsulfuron, binary mixts. 125116-23-6D, Metconazole, binary mixts. 131341-86-1D, Fludioxonil, binary mixts. 131807-57-3D, Famoxadone, binary mixts. 131860-33-8D, Azoxystrobin, binary mixts. 131983-72-7D, Triticonazole, binary mixts. 133855-98-8D, Epoxiconazole, binary mixts. 135410-20-7D, Acetamiprid, binary mixts. 135990-29-3D, Triflusulfuron, binary mixts. 136426-54-5D, Fluquinconazole, binary mixts. 136849-15-5D, Cyclosulfamuron, binary mixts. 137641-05-5D, Picolinafen, binary mixts. 138261-41-3D, Imidacloprid, binary mixts. 139001-49-3D, Profoxydim, binary mixts. 139968-49-3D, Metaflumizone, binary mixts. 141517-21-7D, Trifloxystrobin, binary mixts. 142891-20-1D, Cinidonethyl, binary mixts. 143390-89-0D, Kresoximmethyl, binary mixts. 145701-23-1D, Florasulam,

binary mixts. 149961-52-4D, Dimoxystrobin, binary mixts. 149979-41-9D, Tepraloxym, binary mixts. 153719-23-4D, Thiamethoxam, binary mixts. 158062-67-0D, Flonicamid, binary mixts. 165252-70-0D, Dinotefuran, binary mixts. 168316-95-8D, Spinosad, binary mixts. 173584-44-6D, Indoxacarb, binary mixts. 175013-18-0D, Pyraclostrobin, binary mixts. 178928-70-6D, Prothioconazole, binary mixts. 183675-82-3D, Penthiopyrad, binary mixts. 185119-76-0D, Iodosulfuron, binary mixts. 188425-85-6D, Boscalid, binary mixts. 203313-25-1D, Spirotetramat, binary mixts. 210631-68-8D, Topramezone, binary mixts. 210880-92-5D, Clothianidin, binary mixts. 220899-03-6D, Metrafenone, binary mixts. 239110-15-7D, Fluopicolide, binary mixts. 248593-16-0D, Orysastrob, binary mixts. 272451-65-7D, Flubendiamide, binary mixts. 372137-35-4D, Saflufenacil, binary mixts. 400852-66-6D, Mesosulfuron, binary mixts. 400882-07-7D, Cyflumetofen, binary mixts. 447399-55-5D, Pyroxasulfone, binary mixts. 494793-67-8D, binary mixts. 500008-45-7D, Chlorantraniliprole, binary mixts. 581809-46-3D, Bixafen, binary mixts. 599194-51-1D, binary mixts. 599197-38-3D, binary mixts. 683777-14-2D, binary mixts. 736994-63-1D, Cyazypyr, binary mixts. 865318-97-4D, binary mixts. 874967-67-6D, binary mixts. 881685-58-1D, Isopyrazam, binary mixts. 907204-31-3D, binary mixts. 907204-32-4D, binary mixts. 935545-74-7D, Spinetoram, binary mixts. 949575-92-2D, binary mixts.
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (improving productivity of transgenic plants by use of
herbicides, fungicides, or insecticides)

L15 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN
 ACCESSION NUMBER: 2006:39144 CAPLUS
 DOCUMENT NUMBER: 144:287833
 TITLE: Interaction of neonicotinoid seed treatments with
 lenacil herbicide applied to sugar beet
 AUTHOR(S): Dewar, A. M.; Haylock, L. A.; Garner, B. H.; May, M.
 J.
 CORPORATE SOURCE: Broom's Barn Research Station, Higham, Bury St.
 Edmunds, Suffolk, IP28 6NP, UK
 SOURCE: Congress Proceedings - BCPC International Congress:
 Crop Science & Technology, Glasgow, United Kingdom,
 Oct. 31-Nov. 2, 2005 (2005), Volume 2, 883-888.
 British Crop Protection Council: Alton, UK.
 CODEN: 69HSFT; ISBN: 1-901396-65-7
 DOCUMENT TYPE: Conference
 LANGUAGE: English
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
 IT 2164-08-1, Venzar **79538-32-2**, Tefluthrin 138261-41-3,
 Imidacloprid 153719-23-4, Thiamethoxam
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL
 (Biological study); USES (Uses)
 (interaction of neonicotinoid seed treatments with lenacil
herbicide applied to sugar beet)

L15 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN
 ACCESSION NUMBER: 2005:523211 CAPLUS
 DOCUMENT NUMBER: 143:39502
 TITLE: Herbicidal combinations comprising a HPPD-inhibiting
 herbicide and an insecticide
 INVENTOR(S): Rueegg, Willy Thaddaeus; Urwiler, Michael Joseph;
 Clemens, Christoppher Glen
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
 SOURCE: PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005053407	A1	20050616	WO 2004-EP12417	20041103
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2546408	A1	20050616	CA 2004-2546408	20041103
EP 1703792	A1	20060927	EP 2004-797556	20041103
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
AR 47133	A1	20060111	AR 2004-104422	20041129
US 20080058212	A1	20080306	US 2007-580363	20070129
PRIORITY APPLN. INFO.:			US 2003-526053P	P 20031201
			US 2004-545302P	P 20040217
			WO 2004-EP12417	W 20041103

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 143:39502

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 41219-31-2D, Dithicrofos, mixts. with HPPD-inhibiting herbicides
 41219-32-3D, Thicrofos, mixts. with HPPD-inhibiting herbicides
 42509-80-8D, Isazofos, mixts. with HPPD-inhibiting herbicides
 42588-37-4D, Kinoprene, mixts. with HPPD-inhibiting herbicides
 50864-67-0D, Barium polysulfide, mixts. with HPPD-inhibiting herbicides
 51218-45-2D, Metolachlor, mixts. with HPPD-inhibiting herbicides and insecticides
 51596-10-2D, Milbemectin, mixts. with HPPD-inhibiting herbicides
 51630-58-1D, Fenvalerate, mixts. with HPPD-inhibiting herbicides
 51877-74-8D, Biopermethrin, mixts. with HPPD-inhibiting herbicides
 52207-48-4D, Thiosultapsodium, mixts. with HPPD-inhibiting herbicides
 52315-07-8, Cypermethrin 52315-07-8D, Zetacypermethrin, mixts. with HPPD-inhibiting herbicides
 52645-53-1, Permethrin
 52918-63-5D, Deltamethrin, mixts. with HPPD-inhibiting herbicides
 54406-48-3, Empenthrin 54593-83-8D, Chlorethoxyfos, mixts. with HPPD-inhibiting herbicides
 55285-14-8D, Carbosulfan, mixts. with HPPD-inhibiting herbicides
 57342-02-6D, Epofenonane, mixts. with HPPD-inhibiting herbicides
 57960-19-7D, Acequinocyl, mixts. with HPPD-inhibiting herbicides
 58769-20-3D, RU 15525, mixts. with HPPD-inhibiting herbicides
 58842-20-9D, Nithiazine, mixts. with HPPD-inhibiting herbicides
 59669-26-0D, Thiodicarb, mixts. with HPPD-inhibiting herbicides
 60238-56-4D, Chlorthiophos, mixts. with HPPD-inhibiting herbicides
 60589-06-2D, Metoxadiazone, mixts. with HPPD-inhibiting herbicides
 61444-62-0D, Nifluridide, mixts. with HPPD-inhibiting herbicides
 61949-77-7D, trans-Permethrin, mixts. with HPPD-inhibiting herbicides
 63837-33-2D, Diofenolan, mixts. with HPPD-inhibiting herbicides
 63935-38-6, Cycloprothrin 64628-44-0D, Triflumuron, mixts. with HPPD-inhibiting herbicides
 65907-30-4D, Furathiocarb, mixts. with HPPD-inhibiting herbicides
 66215-27-8D, Cyromazine, mixts. with HPPD-inhibiting herbicides
 66230-04-4, Esfenvalerate 66841-25-6D, Tralomethrin, mixts. with HPPD-inhibiting herbicides
 67375-30-8D, Alphacypermethrin, mixts. with HPPD-inhibiting herbicides
 67485-29-4D, Hydramethylnon, mixts. with HPPD-inhibiting

herbicides 68085-85-8D, Cyhalothrin, mixts. with HPPD-inhibiting
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 herbicides 69770-45-2D, Flumethrin, mixts. with HPPD-inhibiting
 herbicides 70124-77-5D, Flucythrinate, mixts. with HPPD-inhibiting
 herbicides 71422-67-8D, Chlorfluazuron, mixts. with HPPD-inhibiting
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 herbicides 71751-41-2D, Abamectin, mixts. with HPPD-inhibiting
 herbicides 72490-01-8D, Fenoxycarb, mixts. with HPPD-inhibiting
 herbicides 72850-64-7D, Flurazole, mixts. with HPPD-inhibiting
 herbicides and insecticides 72963-72-5D, Imiprothrin, mixts. with
 HPPD-inhibiting herbicides 75867-00-4D, Fenfluthrin, mixts. with
 HPPD-inhibiting herbicides **79538-32-2D**, Tefluthrin, mixts.
 with HPPD-inhibiting **herbicides** 80060-09-9, Diafenthiuron
 82560-54-1D, Benfuracarb, mixts. with HPPD-inhibiting herbicides
 82657-04-3D, Bifenthrin, mixts. with HPPD-inhibiting herbicides
 83121-18-0D, Teflubenzuron, mixts. with HPPD-inhibiting herbicides
 83130-01-2D, Alanycarb, mixts. with HPPD-inhibiting herbicides
 83733-82-8, Fosmethilan 84466-05-7D, Amidoflumet, mixts. with
 HPPD-inhibiting herbicides 86479-06-3D, HExaflumuron, mixts. with
 HPPD-inhibiting herbicides 87392-12-9D, s-Metolachlor, mixts. with
 HPPD-inhibiting herbicides and insecticides 88349-88-6D, Cloquintocet,
 mixts. with HPPD-inhibiting herbicides and insecticides 88485-37-4D,
 Fluxofenim, mixts. with HPPD-inhibiting herbicides and insecticides
 89784-60-1D, Pyraclofos, mixts. with HPPD-inhibiting herbicides
 90338-20-8D, Butathiofos, mixts. with HPPD-inhibiting herbicides
 91465-08-6D, mixts. with HPPD-inhibiting herbicides 94125-34-5D,
 Prosulfuron, mixts. with HPPD-inhibiting herbicides and insecticides
 95465-99-9D, Cadusafos, mixts. with HPPD-inhibiting herbicides
 95737-68-1D, Pyriproxyfen, mixts. with HPPD-inhibiting herbicides
 96182-53-5D, Tebupirimfos, mixts. with HPPD-inhibiting herbicides
 96489-71-3D, Pyridaben, mixts. with HPPD-inhibiting herbicides
 98730-04-2D, Benoxacor, mixts. with HPPD-inhibiting herbicides and
 insecticides 98886-44-3D, Fosthiazate, mixts. with HPPD-inhibiting
 herbicides 101007-06-1D, Acrinathrin, mixts. with HPPD-inhibiting
 herbicides 102851-06-9D, Taufluvalinate, mixts. with HPPD-inhibiting
 herbicides 103055-07-8D, Lufenuron, mixts. with HPPD-inhibiting
 herbicides 105024-66-6D, Silafluofen, mixts. with HPPD-inhibiting
 herbicides 105779-78-0D, Pyrimidifen, mixts. with HPPD-inhibiting
 herbicides 107713-58-6D, Flufenprox, mixts. with HPPD-inhibiting
 herbicides 111988-49-9D, Thiacloprid, mixts. with HPPD-inhibiting
 herbicides 111991-09-4D, Nicosulfuron, mixts. with HPPD-inhibiting
 herbicides and insecticides 112143-82-5D, Triazamate, mixts. with
 HPPD-inhibiting herbicides 112226-61-6D, Halofenozide, mixts. with
 HPPD-inhibiting herbicides 112410-23-8D, Tebufenozide, mixts. with
 HPPD-inhibiting herbicides 112636-83-6D, Dicyclanil, mixts. with
 HPPD-inhibiting herbicides 113036-87-6D, Primisulfuron, mixts. with
 HPPD-inhibiting herbicides and insecticides 113036-88-7D, Flucycloxuron,
 mixts. with HPPD-inhibiting herbicides 114797-39-6D, Methothrin, mixts.
 with HPPD-inhibiting herbicides 116714-46-6D, Novaluron, mixts. with
 HPPD-inhibiting herbicides 118712-89-3D, Transfluthrin, mixts. with
 HPPD-inhibiting herbicides 119791-41-2D, Emamectin, mixts. with
 HPPD-inhibiting herbicides 120068-37-3D, Fipronil, mixts. with
 HPPD-inhibiting herbicides 121451-02-3, Noviflumuron 121776-33-8D,
 Furilazole, mixts. with HPPD-inhibiting herbicides and insecticides
 122453-73-0D, Chlorfenapyr, mixts. with HPPD-inhibiting herbicides
 122705-57-1D, mixts. with HPPD-inhibiting herbicides 122931-48-0D,
 Rimsulfuron, mixts. with HPPD-inhibiting herbicides and insecticides
 123312-89-0D, Pymetrozine, mixts. with HPPD-inhibiting herbicides
 129558-76-5D, Tolfenpyrad, mixts. with HPPD-inhibiting herbicides

135410-20-7D, Acetamiprid, mixts. with HPPD-inhibiting herbicides
 138261-41-3D, Imidacloprid, mixts. with HPPD-inhibiting herbicides
 143807-66-3D, Chromafenozide, mixts. with HPPD-inhibiting herbicides
 145099-21-4D, Trifloxysulfuron., mixts. with HPPD-inhibiting herbicides
 and insecticides 148477-71-8D, Spirodiclofen, mixts. with
 HPPD-inhibiting herbicides 149877-41-8D, Bifenazate, mixts. with
 HPPD-inhibiting herbicides 150824-47-8D, Nitenpyram, mixts. with
 HPPD-inhibiting herbicides 153233-91-1D, Etoxazole, mixts. with
 HPPD-inhibiting herbicides 153719-23-4D, Thiamethoxam, mixts. with
 HPPD-inhibiting herbicides 158062-67-0D, Flonicamid, mixts. with
 HPPD-inhibiting herbicides 160791-64-0D, ZXI 8901., mixts. with
 HPPD-inhibiting herbicides 161050-58-4D, MEthoxyfenozide, mixts. with
 HPPD-inhibiting herbicides 163515-14-8D, Dimethenamid P, mixts. with
 HPPD-inhibiting herbicides and insecticides 165252-70-0D, Dinotefuran,
 mixts. with HPPD-inhibiting herbicides 170015-32-4D, Flufennerim, mixts.
 with HPPD-inhibiting herbicides 173159-57-4D, Foramsulfuron, mixts. with
 HPPD-inhibiting herbicides and insecticides 173584-44-6D, Indoxacarb,
 mixts. with HPPD-inhibiting herbicides 179101-81-6D, Pyridalyl, mixts.
 with HPPD-inhibiting herbicides 181587-01-9D, Ethiprole, mixts. with
 HPPD-inhibiting herbicides 201593-84-2D, Bistrifluron, mixts. with
 HPPD-inhibiting herbicides 209861-58-5D, Acetoprole, mixts. with
 HPPD-inhibiting herbicides 209866-92-2D, Isoxadifen, mixts. with
 HPPD-inhibiting herbicides and insecticides 210880-92-5D, Clothianidin,
 mixts. with HPPD-inhibiting herbicides 229977-93-9D, Fluacrypyrim,
 mixts. with HPPD-inhibiting herbicides 231937-89-6D, mixts. with
 HPPD-inhibiting herbicides 283594-90-1D, Spiromesifen, mixts. with
 HPPD-inhibiting herbicides 500790-39-6D, mixts. with HPPD-inhibiting
 herbicides

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (herbicidal combinations)

L15 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2002:210355 CAPLUS

DOCUMENT NUMBER: 136:381730

TITLE: Selecting the right compounds for screening: use of
 surface-area parameters

AUTHOR(S): Tice, Colin M.

CORPORATE SOURCE: Rohm and Haas Co, Spring House, PA, 19477-0949, USA

SOURCE: Pest Management Science (2002), 58(3), 219-233

CODEN: PMSCFC; ISSN: 1526-498X

PUBLISHER: John Wiley & Sons Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

OS.CITING REF COUNT: 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS
 RECORD (13 CITINGS)

REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 34643-46-4, Prothiofos 34681-10-2, Butocarboxim 35256-85-0, Butam
 35367-38-5, Diflubenzuron 35400-43-2, Sulprofos 35575-96-3,
 Azamethiphos 35597-43-4, Bialaphos 36335-67-8, Butamifos 36614-38-7,
 Isothioate 36756-79-3, Tiocarbazil 38260-54-7, Etrimfos 38727-55-8,
 Diethatyl-ethyl 39196-18-4, Thiofanox 39300-45-3, Dinocap
 39515-40-7, Cyphenothrin 39515-41-8, Fenpropathrin 39985-63-2,
 Chlorphthalim 40487-42-1, Pendimethalin 40596-69-8, Methoprene
 41096-46-2, Hydroprene 41198-08-7, Profenofos 41295-28-7,
 Methoxyphenone 42509-80-8, Isazophos 42588-37-4, Kinoprene
 42609-52-9, Dymron 42609-73-4, Methylodymron 50512-35-1 50594-66-6,
 Acifluorfen 51218-45-2, METOLACHLOR 51218-49-6, Pretilachlor
 51276-47-2, Glufosinate 51338-27-3, Diclofop-methyl 51487-69-5,
 Cloethocarb 51630-58-1, Fenvalerate 52315-07-8, Cypermethrin
 52570-16-8, Naproanilide 52645-53-1, Permethrin 52756-25-9,
 Flamprop-methyl 52888-80-9, Prosulfocarb 52918-63-5, Deltamethrin

54593-83-8, Chlorethoxyfos 55283-68-6, Ethalfluralin 55285-14-8, Carbosulfan 55335-06-3, Triclopyr 55512-33-9, Pyridate 55634-91-8, Alloxymid 58011-68-0, Pyrazolate 59669-26-0, Thiodicarb 59682-52-9, Fosamine 59756-60-4, Fluridone 61213-25-0, Flurochloridone 62850-32-2, Fenothiocarb 63782-90-1, Flamprop-M-isopropyl 63935-38-6, Cycloprothrin 64249-01-0, Anilofos 64628-44-0, Triflumuron 65907-30-4, Furathiocarb 66215-27-8, Cyromazine 66441-23-4, Fenoxaprop-ethyl 66841-25-6, Tralomethrin 67129-08-2, Metazachlor 68085-85-8, Cyhalothrin 68359-37-5, Cyfluthrin 69327-76-0, Buprofezin 69335-91-7, Fluazifop 69377-81-7, Fluroxypyr 69806-40-2, Haloxypyr-methyl 69806-50-4, Fluazifop-butyl 70124-77-5, Flucythrinate 71422-67-8, Chlorfluazuron 71751-41-2, Abamectin 73250-68-7, Mefenacet 74051-80-2, Sethoxydim 74070-46-5, Aclonifen 74115-24-5, Clofentezine 76578-12-6, Quizalofop 77501-63-4, Lactofen 77501-90-7, Fluoroglycofen-ethyl 78587-05-0, Hexythiazox 79277-27-3, Thifensulfuron methyl **79538-32-2**, Tefluthrin 80060-09-9, Diafenthiuron 80844-01-5, Chloproxyfen 80844-07-1, Etofenprox 81335-77-5, Imazethapyr 81405-85-8, Imazamethabenz-methyl 81777-89-1, Clomazone 82558-50-7, Isoxaben 82560-54-1, Benfuracarb 82657-04-3, Bifenthrin 83121-18-0, Teflubenzuron 83130-01-2, Alanycarb 83164-33-4, Diflufenican 85785-20-2, Esprocarb 85830-77-9, Triazofenamide 86209-51-0, Primisulfuron-methyl 86763-47-5, Propisochlor 87310-56-3, Butenachlor 87546-18-7, Flumiclorac-pentyl 87674-68-8, Dimethenamid 87757-18-4, Isoxapyrifop 87818-31-3, Cinmethylin 87820-88-0, Tralkoxydim 89784-60-1, Pyraclofos 90982-32-4, Chlorimuron-ethyl 94593-91-6, Cinosulfuron 95465-99-9, Cadusafos 95617-09-7, Fenoxaprop 95737-68-1, Pyriproxyfen 96182-53-5, Tebupirimphos 96489-71-3, Pyridaben 96491-05-3, Thenylchlor 96525-23-4, Flurtamone 97780-06-8 97886-45-8, Dithiopyr 98886-44-3, Fosthiazate 99105-77-8, Sulcotrione 99129-21-2, Clethodim 100646-51-3 101007-06-1, Acrinathrin 101200-48-0, Tribenuron-methyl 101205-02-1 101463-69-8, Flufenoxuron 102851-06-9, Tau-fluvalinate 104040-78-0, Flazasulfuron 104098-48-8, Imazapic 104770-29-8, NC-330 105024-66-6, Silafluofen 107360-34-9, NC-170 107713-58-6, Flufenprox 109293-97-2, Diflufenzopyr 111479-05-1, Propaquizafop 111578-32-6, Metobenzuron 111872-58-3, Halfenprox 111991-09-4, Nicosulfuron 112143-82-5, Triazamate 112226-61-6, Halofenozide 112410-23-8, Tebufenozide 112636-83-6, Dicyclanil 113036-88-7, Flucycloxuron 114311-32-9, Imazamox 114420-56-3, Clodinafop 117337-19-6, Fluthiacet-methyl 117718-60-2, Thiazopyr 119126-15-7, Flupoxam 119168-77-3, Tebufenpyrad 119738-06-6 120068-37-3, Fipronil 120162-55-2, Azimsulfuron 122008-85-9, Cyhalofop-butyl 122453-73-0, Chlorfenapyr 122836-35-5, Sulfentrazone 122931-48-0, RIMSULFURON 123249-43-4, Thidiazimin 123312-89-0, Pymetrozine 125401-75-4, Bispyribac 126535-15-7, Triflusaluron-methyl 128639-02-1, Carfentrazone-ethyl 129630-19-9, Pyraflufen-ethyl 131086-42-5, Ethoxyfen-ethyl 131929-63-0, Spinosyn D 134098-61-6, Fenpyroximate 135410-20-7, Acetamiprid 138164-12-2, Butoxydim 138261-41-3, Imidacloprid 141776-32-1, Sulfosulfuron 142459-58-3, Flufenacet 144651-06-9, Oxasulfuron 144740-53-4, Flupyrsulfuron-methyl 147838-04-8, XR-100 149877-41-8, Bifenazate 150824-47-8, Nitenpyram 153233-91-1, Etoxazole 160791-64-0, Flubrocyclothrinate 161050-58-4, Methoxyfenozide 168088-61-7, Pyribenzoxim 173584-44-6, Indoxacarb

RL: AGR (Agricultural use); PRP (Properties); BIOL (Biological study); USES (Uses)

(use of surface-area parameters for agrochem. screening of herbicides and insecticides)

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ACCESSION NUMBER: 2009:1534245 CAPLUS
 DOCUMENT NUMBER: 152:232468
 TITLE: Screening Rules for Leads of Fungicides, Herbicides, and Insecticides
 AUTHOR(S): Liu, Bin; Zhu, Fucheng; Huang, Ying; Wang, Yuhui; Yu, Fei; Fan, Botao; Yao, Jianhua
 CORPORATE SOURCE: Shanghai Inst. Org. CHem., Chin. Acad. Sci., Shanghai, Peop. Rep. China
 SOURCE: Journal of Agricultural and Food Chemistry (2010), 58(5), 2673-2684
 CODEN: JAFCAU; ISSN: 0021-8561
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 50-29-3, DDT, biological studies 54-11-5, Nicotine 56-72-4, Coumaphos 58-89-9, Gamma-benzene hexachloride 60-57-1, Dieldrin 61-82-5, Amitrole 62-59-9, Cevadine 62-73-7, Dichlorvos 72-43-5, Methoxychlor 72-56-0, 1,1-Dichloro-2,2-bis(4-ethylphenyl)ethane 74-90-8, Hydrogen cyanide, biological studies 75-15-0, Carbon disulfide, biological studies 76-06-2, Chloropicrin 76-44-8, Heptachlor 79-11-8, Chloroacetic acid, biological studies 82-68-8, Quintozene 83-28-3, 2-Isovalerylindan-1,3-dione 85-00-7, Diquat dibromide 85-34-7, Chlorfenac 86-50-0, Azinphos-methyl 87-17-2, Salicylanilide 87-47-8, 3-Methyl-1-phenylpyrazol-5-yl dimethylcarbamate 91-53-2, Ethoxyquin 92-52-4, Biphenyl, biological studies 93-75-4, Thioquinox 93-76-5, 2,4,5-T 93-80-1, 2,4,5-TB 94-09-7, Benzocaine 94-11-1, 2,4-D Isopropyl ester 94-74-6, MCPA 94-75-7, 2,4-D, biological studies 94-80-4, 2,4-D Butyl ester 94-84-8, 2,4-DEP 94-96-2, Ethohexadiol 95-19-2 97-59-6, Allantoin 98-54-4, 4-tert-Butylphenol 99-30-9, Dicloran 100-02-7, 4-Nitrophenol, biological studies 101-05-3, Anilazine 104-61-0 105-67-9, 2,4-Dimethylphenol 107-04-0, 1-Bromo-2-chloroethane 107-13-1, Acrylonitrile, biological studies 108-25-8, Proxan 108-34-9 111-30-8, Glutaraldehyde 111-44-4 112-56-1, 2-(2-Butoxyethoxy)ethyl thiocyanate 115-26-4, Dimefox 116-01-8, Ethoate-methyl 116-06-3, Aldicarb 117-80-6, Dichlone 118-74-1, Hexachlorobenzene 120-62-7, Sulfoxide 122-10-1, Bomy 122-14-5, Fenitrothion 122-15-6 122-34-9, Simazine 122-39-4, Diphenylamine, biological studies 122-42-9, Protham 124-25-4, Tetradecanal 126-22-7, Butonate 126-75-0, Demeton-S 132-66-1, Naphthalam 133-06-2, Captan 134-62-3, DEET 135-19-3, 2-Naphthol, biological studies 135-77-3, 1,2,4-Trimethoxybenzene 137-26-8, Thiram 140-56-7, Fenaminosulf 141-66-2, Dicrotophos 143-50-0, Chlordecone 144-41-2, Morphothion 148-79-8, Thiabendazole 297-99-4, trans-Phosphamidon 298-03-3, Demeton-O 301-11-1, 2-Thiocyanatoethyl laurate 309-00-2, HHDN 311-47-7, 2-Chlorovinyl diethyl phosphate 314-42-1, Isocil 330-54-1, Diuron 333-41-5, Diazinon 404-86-4 470-90-6, Chlorfenvinphos 485-31-4, Binapacryl 494-52-0, Anabasine 495-48-7, Fenazox 500-28-7 502-55-6, EXD 520-45-6 563-12-2, Ethion 572-48-5, Coumithoate 584-79-2, Bioallethrin 594-72-9, 1,1-Dichloro-1-nitroethane 607-12-5 671-04-5, Carbanolate 684-16-2, 1,1,1,3,3,3-Hexafluoro-2-propanone 731-27-1, Tolyfluanid 759-94-4, EPTC 786-19-6, Carbophenothion 886-50-0, Terbutryn 919-76-6, Amidithion 963-22-4, Sultropen 973-21-7, Dinobuton 1014-70-6, Simetryn 1085-98-9, Dichlofluanid 1121-31-9 1193-18-6 1194-65-6, Dichlobenil 1446-61-3, Dehydroabietylamine 1468-37-7, Dimexan 1563-38-8, Carbofuran phenol 1563-66-2, Carbofuran 1563-67-3, Decarbofuran 1646-88-4, Aldoxycarb 1689-84-5, Bromoxynil 1704-28-5, Falimorph 1746-81-2, Monolinuron 1861-40-1, Benfluralin 1891-95-8,

Chloroxynil 1897-45-6, Chlorothalonil 1912-24-9, Atrazine 1912-26-1, Trietazine 1918-00-9, Dicamba 1918-11-2, Terbucarb 1918-13-4, Chlorthiamid 1918-16-7, Propachlor 1929-73-3, 2,4-D Butoxyethyl ester 1966-58-1, Dichlormate 1970-40-7, Pyriclor 1982-47-4, Chloroxuron 2032-59-9, Aminocarb 2164-17-2, Fluometuron 2212-67-1, Molinate 2275-14-1, Phenkapton 2303-16-4, Di-allate 2303-17-5, Tri-allate 2307-49-5, Tricamba 2307-68-8, Pentanochlor 2425-06-1 2439-10-3, Dodine 2463-84-5, Dicapthon 2465-59-0, Oxypurinol 2536-31-4, Chlorflurenol-methyl 2550-75-6, Chlorbicyclen 2593-15-9, Etridiazole 2595-54-2, Mecarbam 2597-03-7, Phenthoate 2634-33-5, 1,2-Benzisothiazol-3(2H)-one 2636-26-2, Cyanophos 2642-71-9, Azinphos-ethyl 2668-92-0 2675-77-6, Chloroneb 2698-40-0, MCPA, isopropyl ester 2813-95-8, Dinoseb acetate 2921-88-2, Chlorpyrifos 2941-55-1, Ethiolate 3042-84-0, Brompyrazon 3050-27-9, Trimeturon 3134-12-1, Phenobenzuron 3134-70-1, Isopolinate 3337-71-1, Asulam 3391-86-4, 3-Hydroxy-1-octene 3478-94-2, Piperalin 3563-34-6 3734-95-0, Cyanthoate 3737-00-6, 3-Bromo-1-chloroprop-1-ene 3766-81-2, Fenobucarb 3773-49-7, Milneb 3813-05-6, Benazolin 3878-19-1, Fuberidazole 4029-02-1, Diethamquat dichloride 4097-36-3, Dinosam 4147-51-7, Dipropetryn 4151-50-2, Sulfluramid 4412-09-3, Mucochloric anhydride 4636-83-3, Morfamquat dichloride 4638-48-6, 5-Chlorosalicylanilide 4824-78-6, Bromophos-ethyl 4849-32-5, Karbutilate 5131-24-8, Ditalimfos 5259-88-1, Oxycarboxin 5335-24-0 **5598-13-0**, Chlorpyrifos-methyl 5707-69-7, Drazoxolon 5707-73-3, Metazoxolone 5748-22-1, Trimedlure-A 5825-79-6, 2-(4-Chloro-3,5-xylyloxy)ethanol 5825-87-6, 2-(m-Chlorophenoxy)-propionamide 5827-05-4, IPSP 5834-94-6, Azithiram 5834-96-8, Azothoate 5836-23-7, Tecoram 6392-46-7, Allyxycarb 6616-80-4, Eglinazine-ethyl 6753-24-8, 2,4-DB butyl ester 6903-26-0 6903-29-3 6923-22-4, Monocrotophos 6980-18-3, Kasugamycin 7055-03-0, Mebenil 7076-53-1 7122-04-5, 2-(4,5-Dimethyl-1,3-dioxolan-2-yl)phenyl methylcarbamate 7287-19-6, Prometryn 7558-79-4, DSP 7681-93-8, Natamycin 8065-36-9, Bufencarb 10004-44-1, Hymexazol 10311-84-9, Dialifos 10552-74-6, Nitrothal-isopropyl 11100-15-5, BR (fungicide) 11141-17-6, Azadirachtin 12068-08-5, Benzamorf 12789-03-6, Chlordane 13067-93-1, Cyanofenphos 13108-52-6 13265-60-6, DAEP 13347-42-7, 4-Chloro-2-cyclopentylphenol 13360-45-7, Chlorbromuron 13516-27-3, Iminoctadine 13577-71-4, Fluoromidine 13684-44-1, Phenmedipham-ethyl 13738-63-1, Fluoronitrofen 13952-84-6, 2-Butanamine 14437-20-8, Chlorfenprop 14491-59-9, Credazine 14816-20-7, Chlorphoxim 15263-53-3, Cartap 15310-01-7, Benodanil 15545-48-9, Chlorotoluron 16118-49-3, Carbetamide 16227-10-4, Triazbutil 19019-40-0 19378-58-6, Thiochlorfenphim 19622-19-6, Prothiocarb

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL

(Biological study)

(screening rules for leads of fungicides, **herbicides**, and insecticides)

L12 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2005:523211 CAPLUS

DOCUMENT NUMBER: 143:39502

TITLE: Herbicidal combinations comprising a HPPD-inhibiting herbicide and an insecticide

INVENTOR(S): Rueegg, Willy Thaddaeus; Urwiler, Michael Joseph; Clemens, Christopflher Glen

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005053407	A1	20050616	WO 2004-EP12417	20041103
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2546408	A1	20050616	CA 2004-2546408	20041103
EP 1703792	A1	20060927	EP 2004-797556	20041103
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS			
AR 47133	A1	20060111	AR 2004-104422	20041129
US 20080058212	A1	20080306	US 2007-580363	20070129
PRIORITY APPLN. INFO.:			US 2003-526053P	P 20031201
			US 2004-545302P	P 20040217
			WO 2004-EP12417	W 20041103

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 143:39502

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 50-29-3D, mixts. with HPPD-inhibiting herbicides 52-68-6D, mixts. with HPPD-inhibiting herbicides 54-11-5D, Nicotine, mixts. with HPPD-inhibiting herbicides 55-38-9D, Fenthion, mixts. with HPPD-inhibiting herbicides 56-23-5D, Carbon tetrachloride, mixts. with HPPD-inhibiting herbicides 56-38-2D, Parathion, mixts. with HPPD-inhibiting herbicides 56-72-4D, Coumaphos, mixts. with HPPD-inhibiting herbicides 58-89-9D, GammaHCH, mixts. with HPPD-inhibiting herbicides 60-51-5D, Dimethoate, mixts. with HPPD-inhibiting herbicides 60-57-1D, Dieldrin, mixts. with HPPD-inhibiting herbicides 62-73-7D, Dichlorovos, mixts. with HPPD-inhibiting herbicides 63-25-2D, Carbaryl, mixts. with HPPD-inhibiting herbicides 70-38-2D, Dimethrin, mixts. with HPPD-inhibiting herbicides 72-43-5D, Methoxychlor, mixts. with HPPD-inhibiting herbicides 72-54-8D, TDE, mixts. with HPPD-inhibiting herbicides 74-83-9D, Methyl bromide, mixts. with HPPD-inhibiting herbicides 74-90-8D, Hydrogen cyanide, mixts. with HPPD-inhibiting herbicides 75-15-0D, Carbon disulfide, mixts. with HPPD-inhibiting herbicides 76-06-2D, Chloropicrin, mixts. with HPPD-inhibiting herbicides 76-44-8D, Heptachlor, mixts. with HPPD-inhibiting herbicides 78-34-2D, Dioxathion, mixts. with HPPD-inhibiting herbicides 78-53-5D, Amiton, mixts. with HPPD-inhibiting herbicides 78-57-9D, Menazon, mixts. with HPPD-inhibiting herbicides 83-79-4D, Rotenone, mixts. with HPPD-inhibiting herbicides 86-50-0D, Azinphosmethyl, mixts. with HPPD-inhibiting herbicides 87-86-5D, Pentachlorophenol, mixts. with HPPD-inhibiting herbicides 97-17-6D, Dichlofenthion, mixts. with HPPD-inhibiting herbicides 106-93-4D, Ethylene dibromide, mixts. with HPPD-inhibiting herbicides 107-06-2D, Ethylene dichloride, mixts. with HPPD-inhibiting herbicides 107-13-1D, Acrylonitrile, mixts. with HPPD-inhibiting herbicides 107-49-3D, TEPP, mixts. with HPPD-inhibiting herbicides 112-80-1D, Oleic acid, mixts. with HPPD-inhibiting herbicides 114-26-1D, Propoxur, mixts. with HPPD-inhibiting herbicides 115-26-4D, Dimefox, mixts. with HPPD-inhibiting herbicides 115-29-7D, Endosulfan, mixts. with HPPD-inhibiting herbicides 115-90-2D, Fensulfathion, mixts. with HPPD-inhibiting herbicides 116-01-8D, Ethoattemethyl, mixts. with

HPPD-inhibiting herbicides 116-06-3D, Aldicarb, mixts. with
HPPD-inhibiting herbicides 119-12-0D, Pyridaphenthion, mixts. with
HPPD-inhibiting herbicides 121-75-5D, Malathion, mixts. with
HPPD-inhibiting herbicides 122-14-5D, Fenitrothion, mixts. with
HPPD-inhibiting herbicides 126-22-7D, Butonate, mixts. with
HPPD-inhibiting herbicides 126-75-0D, Demeton-S, mixts. with
HPPD-inhibiting herbicides 131-89-5D, Dinex, mixts. with HPPD-inhibiting
herbicides 141-66-2D, Dicrotophos, mixts. with HPPD-inhibiting
herbicides 143-50-0D, mixts. with HPPD-inhibiting herbicides
144-41-2D, Morphothion, mixts. with HPPD-inhibiting herbicides 144-54-7,
Metam 152-16-9D, Schradan, mixts. with HPPD-inhibiting herbicides
297-78-9D, Isobenzan, mixts. with HPPD-inhibiting herbicides 298-00-0D,
Parathion-methyl, mixts. with HPPD-inhibiting herbicides 298-02-2D,
Phorate, mixts. with HPPD-inhibiting herbicides 298-03-3D, Demeton-O,
mixts. with HPPD-inhibiting herbicides 298-04-4D, Disulfoton, mixts.
with HPPD-inhibiting herbicides 299-86-5D, Crufomate, mixts. with
HPPD-inhibiting herbicides 300-76-5D, Naled, mixts. with HPPD-inhibiting
herbicides 301-12-2D, Oxydemetonmethyl, mixts. with HPPD-inhibiting
herbicides 309-00-2D, Aldrin, mixts. with HPPD-inhibiting herbicides
315-18-4D, Mexacarbate, mixts. with HPPD-inhibiting herbicides
327-98-0D, Trichloronat, mixts. with HPPD-inhibiting herbicides
333-41-5D, mixts. with HPPD-inhibiting herbicides 370-50-3D, Flucufuron,
mixts. with HPPD-inhibiting herbicides 371-86-8D, Mipafos, mixts. with
HPPD-inhibiting herbicides 465-73-6D, Isodrin, mixts. with
HPPD-inhibiting herbicides 470-90-6D, mixts. with HPPD-inhibiting
herbicides 494-52-0D, Anabasine, mixts. with HPPD-inhibiting herbicides
533-74-4D, Dazomet, mixts. with HPPD-inhibiting herbicides 534-52-1D,
DNOC, mixts. with HPPD-inhibiting herbicides 556-61-6D, Methyl
isothiocyanate, mixts. with HPPD-inhibiting herbicides 563-12-2D,
Ethion, mixts. with HPPD-inhibiting herbicides 572-48-5D, Coumthoate,
mixts. with HPPD-inhibiting herbicides 584-79-2D, Bioallethrin, mixts.
with HPPD-inhibiting herbicides 640-15-3D, Thiometon, mixts. with
HPPD-inhibiting herbicides 644-64-4D, Dimetilan, mixts. with
HPPD-inhibiting herbicides 671-04-5D, Carbanolate, mixts. with
HPPD-inhibiting herbicides 682-80-4D, Demephion-O, mixts. with
HPPD-inhibiting herbicides 732-11-6D, Phosmet, mixts. with
HPPD-inhibiting herbicides 786-19-6D, Carbophenothion, mixts. with
HPPD-inhibiting herbicides 867-27-6D, Demeton-O-methyl, mixts. with
HPPD-inhibiting herbicides 919-76-6D, Amidithion, mixts. with
HPPD-inhibiting herbicides 919-86-8D, ,Demeton-S-methyl, mixts. with
HPPD-inhibiting herbicides 944-22-9D, Fonofos, mixts. with
HPPD-inhibiting herbicides 947-02-4D, Phosfolan, mixts. with
HPPD-inhibiting herbicides 950-10-7D, Mephosfolan, mixts. with
HPPD-inhibiting herbicides 950-37-8D, Methidathion, mixts. with
HPPD-inhibiting herbicides 1071-83-6D, Glyphosate, mixts. with
HPPD-inhibiting herbicides and insecticides 1113-02-6D, Omethoate,
mixts. with HPPD-inhibiting herbicides 1129-41-5D, Metolcarb, mixts.
with HPPD-inhibiting herbicides 1303-96-4D, Borax, mixts. with
HPPD-inhibiting herbicides 1344-81-6D, Calcium polysulfide, mixts. with
HPPD-inhibiting herbicides 1563-66-2D, Carbofuran, mixts. with
HPPD-inhibiting herbicides 1563-67-3D, Decarbofuran, mixts. with
HPPD-inhibiting herbicides 1646-88-4D, Aldoxycarb, mixts. with
HPPD-inhibiting herbicides 1912-24-9D, Atrazine, mixts. with
HPPD-inhibiting herbicides and insecticides 1918-00-9D, Dicamba, mixts.
with HPPD-inhibiting herbicides and insecticides 2032-59-9D, Aminocarb,
mixts. with HPPD-inhibiting herbicides 2032-65-7D, Methiocarb, mixts.
with HPPD-inhibiting herbicides 2104-64-5D, EPN, mixts. with
HPPD-inhibiting herbicides 2104-96-3D, Bromophos, mixts. with
HPPD-inhibiting herbicides 2274-67-1D, Dimethylvinphos, mixts. with
HPPD-inhibiting herbicides 2275-14-1D, Phenkapton, mixts. with
HPPD-inhibiting herbicides 2275-18-5D, Prothoate, mixts. with
HPPD-inhibiting herbicides 2275-23-2D, Vamidothion, mixts. with

HPPD-inhibiting herbicides 2310-17-0D, Phosalone, mixts. with
 HPPD-inhibiting herbicides 2385-85-5D, Mirex, mixts. with
 HPPD-inhibiting herbicides 2425-10-7D, Xylylcarb, mixts. with
 HPPD-inhibiting herbicides 2463-84-5D, Dicapthon, mixts. with
 HPPD-inhibiting herbicides 2497-07-6D, Oxydisulfoton, mixts. with
 HPPD-inhibiting herbicides 2540-82-1D, Formothion, mixts. with
 HPPD-inhibiting herbicides 2550-75-6D, Chlorbicyclen, mixts. with
 HPPD-inhibiting herbicides 2587-90-8D, Demephion-S, mixts. with
 HPPD-inhibiting herbicides 2595-54-2D, Mecarbam, mixts. with
 HPPD-inhibiting herbicides 2597-03-7D, Phenthoate, mixts. with
 HPPD-inhibiting herbicides 2631-37-0D, Promecarb, mixts. with
 HPPD-inhibiting herbicides 2631-40-5D, Isoproc carb, mixts. with
 HPPD-inhibiting herbicides 2636-26-2D, Cyanophos, mixts. with
 HPPD-inhibiting herbicides 2642-71-9D, Azinphosethyl, mixts. with
 HPPD-inhibiting herbicides 2655-14-3D, XMC, mixts. with HPPD-inhibiting herbicides
 herbicides 2655-19-8D, Butacarb, mixts. with HPPD-inhibiting herbicides
 2669-32-1D, Lythidathion, mixts. with HPPD-inhibiting herbicides
 2674-91-1D, Oxydeprofos, mixts. with HPPD-inhibiting herbicides
 2699-79-8D, Sulfuryl fluoride, mixts. with HPPD-inhibiting herbicides
 2778-04-3D, Endothion, mixts. with HPPD-inhibiting herbicides
 2921-88-2D, ,Chloropyrifos, mixts. with HPPD-inhibiting herbicides
 3383-96-8D, Temephos, mixts. with HPPD-inhibiting herbicides 3689-24-5D,
 Sulfotep, mixts. with HPPD-inhibiting herbicides 3734-95-0D, Cyanthoate,
 mixts. with HPPD-inhibiting herbicides 3761-41-9D, Mesulfenfos, mixts.
 with HPPD-inhibiting herbicides 3766-81-2D, Fenobucarb, mixts. with
 HPPD-inhibiting herbicides 3811-49-2D, Dioxabenzofos, mixts. with
 HPPD-inhibiting herbicides 4151-50-2D, Sulfluramid, mixts. with
 HPPD-inhibiting herbicides 4234-79-1D, Kelevan, mixts. with
 HPPD-inhibiting herbicides 4824-78-6D, Bromophosethyl, mixts. with
 HPPD-inhibiting herbicides 5221-49-8D, Pyrimitate, mixts. with
 HPPD-inhibiting herbicides **5598-13-0D**, mixts. with
 HPPD-inhibiting herbicides 5598-52-7D, Fospirate, mixts. with
 HPPD-inhibiting herbicides 5826-76-6D, Phosnichlor, mixts. with
 HPPD-inhibiting herbicides 5827-05-4D, IPSP, mixts. with HPPD-inhibiting herbicides
 herbicides 5834-96-8D, Azothoate, mixts. with HPPD-inhibiting herbicides
 5915-41-3D, Terbutylazine, mixts. with HPPD-inhibiting herbicides and
 insecticides 6164-98-3D, Chlordimeform, mixts. with HPPD-inhibiting herbicides
 herbicides 6392-46-7D, Allyxycarb, mixts. with HPPD-inhibiting herbicides
 herbicides 6923-22-4D, Monocrotophos, mixts. with HPPD-inhibiting herbicides
 herbicides 6988-21-2D, Dioxacarb, mixts. with HPPD-inhibiting herbicides
 7219-78-5D, Mazidox, mixts. with HPPD-inhibiting herbicides 7292-16-2D,
 PPropaphos, mixts. with HPPD-inhibiting herbicides 7345-69-9D, GY-81,
 mixts. with HPPD-inhibiting herbicides 7681-49-4D, ,Sodium fluoride,
 mixts. with HPPD-inhibiting herbicides 7700-17-6D, Crotoxyphos, mixts.
 with HPPD-inhibiting herbicides 7786-34-7D, Mevinphos, mixts. with
 HPPD-inhibiting herbicides 7803-51-2D, Phosphine, mixts. with
 HPPD-inhibiting herbicides 8001-35-2D, Camphechlor, mixts. with
 HPPD-inhibiting herbicides 8022-00-2D, Demetonmethyl, mixts. with
 HPPD-inhibiting herbicides 8065-36-9D, Bufencarb, mixts. with
 HPPD-inhibiting herbicides 8065-48-3D, Demeton, mixts. with
 HPPD-inhibiting herbicides 8065-62-1, Demephion 10112-91-1D, Mercurous
 chloride, mixts. with HPPD-inhibiting herbicides 10265-92-6D,
 Methamidophos, mixts. with HPPD-inhibiting herbicides 10311-84-9D,
 Dialifos, mixts. with HPPD-inhibiting herbicides 10453-86-8D,
 Resmethrin, mixts. with HPPD-inhibiting herbicides 11141-17-6D,
 Azadirachtin, mixts. with HPPD-inhibiting herbicides 12407-86-2D,
 Trimethacarb, mixts. with HPPD-inhibiting herbicides 12789-03-6D,
 Chlordane, mixts. with HPPD-inhibiting herbicides 13067-93-1D,
 Cyanofenphos, mixts. with HPPD-inhibiting herbicides 13171-21-6D,
 Phosphamidon, mixts. with HPPD-inhibiting herbicides 13194-48-4D,
 Ethoprophos, mixts. with HPPD-inhibiting herbicides 13457-18-6D,
 Pyrazophos, mixts. with HPPD-inhibiting herbicides 13593-03-8D,

Quinalphos, mixts. with HPPD-inhibiting herbicides 13593-08-3D,
 Quinalphosmethyl, mixts. with HPPD-inhibiting herbicides 14816-16-1D,
 Phoximmethyl,., mixts. with HPPD-inhibiting herbicides 14816-18-3D,
 Phoxim, mixts. with HPPD-inhibiting herbicides 14816-20-7D, mixts. with
 HPPD-inhibiting herbicides 15096-52-3D, Cryolite, mixts. with
 HPPD-inhibiting herbicides 15263-53-3D, Cartap, mixts. with
 HPPD-inhibiting herbicides 15589-31-8D, Terallethrin, mixts. with
 HPPD-inhibiting herbicides 16752-77-5D, Methomyl, mixts. with
 HPPD-inhibiting herbicides 16893-85-9D, Sodium hexafluorosilicate,
 mixts. with HPPD-inhibiting herbicides 17040-19-6D, mixts. with
 HPPD-inhibiting herbicides 17080-02-3D, Furethrin, mixts. with
 HPPD-inhibiting herbicides 17606-31-4D, Bensultap, mixts. with
 HPPD-inhibiting herbicides 18181-70-9D, Jodfenphos, mixts. with
 HPPD-inhibiting herbicides 18809-57-9, EMPC 18854-01-8D, Isoxathion,
 mixts. with HPPD-inhibiting herbicides 19691-80-6D, Athidathion, mixts.
 with HPPD-inhibiting herbicides 20425-39-2D, Pyresmethrin, mixts. with
 HPPD-inhibiting herbicides 21548-32-3D, Fosthietan, mixts. with
 HPPD-inhibiting herbicides 22259-30-9D, Formetanate, mixts. with
 HPPD-inhibiting herbicides 22439-40-3D, Quinothion, mixts. with
 HPPD-inhibiting herbicides 22781-23-3D, Bendiocarb, mixts. with
 HPPD-inhibiting herbicides 23031-36-9, Prallethrin 23103-98-2D,
 Pirimicarb, mixts. with HPPD-inhibiting herbicides 23135-22-0D, Oxamyl,
 mixts. with HPPD-inhibiting herbicides 23505-41-1D, Pirimiphosethyl,
 mixts. with HPPD-inhibiting herbicides 23560-59-0D, ,Heptenophos, mixts.
 with HPPD-inhibiting herbicides 24017-47-8D, Triazofos, mixts. with
 HPPD-inhibiting herbicides 24353-61-5D, mixts. with HPPD-inhibiting
 herbicides 24934-91-6D, mixts. with HPPD-inhibiting herbicides
 25171-63-5D, Thiocarboxime, mixts. with HPPD-inhibiting herbicides
 25311-71-1D, Isofenphos, mixts. with HPPD-inhibiting herbicides
 25601-84-7D, Methocrotophos, mixts. with HPPD-inhibiting herbicides
 26002-80-2D, Phenothrin, mixts. with HPPD-inhibiting herbicides
 28434-00-6D, S-Bioallethrin, mixts. with HPPD-inhibiting herbicides
 28434-01-7D, Bioresmethrin, mixts. with HPPD-inhibiting herbicides
 29104-30-1D, Benzoximate, mixts. with HPPD-inhibiting herbicides
 29173-31-7D, Mecarphon, mixts. with HPPD-inhibiting herbicides
 29232-93-7D, Pirimiphosmethyl, mixts. with HPPD-inhibiting herbicides
 29672-19-3D, Nitrilacarb, mixts. with HPPD-inhibiting herbicides
 29973-13-5D, Ethiofencarb, mixts. with HPPD-inhibiting herbicides
 30560-19-1D, Acephate, mixts. with HPPD-inhibiting herbicides
 30864-28-9D, Methacrifos, mixts. with HPPD-inhibiting herbicides
 31218-83-4D, Propetamphos, mixts. with HPPD-inhibiting herbicides
 31377-69-2D, Pirimetaphos, mixts. with HPPD-inhibiting herbicides
 31895-21-3D, Thiocyclam, mixts. with HPPD-inhibiting herbicides
 33089-61-1D, Amitraz, mixts. with HPPD-inhibiting herbicides
 33399-00-7D, Bromfenvinfos, mixts. with HPPD-inhibiting herbicides
 34264-24-9D, Promacyl, mixts. with HPPD-inhibiting herbicides
 34643-46-4D, Prothiofos, mixts. with HPPD-inhibiting herbicides
 34681-10-2D, Butocarboxim, mixts. with HPPD-inhibiting herbicides
 34681-23-7D, Butoxycarboxim, mixts. with HPPD-inhibiting herbicides
 35367-38-5D, Diflubenzuron, mixts. with HPPD-inhibiting herbicides
 35400-43-2D, Sulprofos, mixts. with HPPD-inhibiting herbicides
 35575-96-3D, Azamethiphos, mixts. with HPPD-inhibiting herbicides
 36145-08-1D, Chlorprazophos, mixts. with HPPD-inhibiting herbicides
 36614-38-7D, Isothioate, mixts. with HPPD-inhibiting herbicides
 37764-25-3D, Dichlormid, mixts. with HPPD-inhibiting herbicides and
 insecticides 38260-63-8D, Lirimfos, mixts. with HPPD-inhibiting
 herbicides 38524-82-2D, Trifenofos, mixts. with HPPD-inhibiting
 herbicides 39196-18-4D, ,Thiofanox, mixts. with HPPD-inhibiting
 herbicides 39247-96-6D, Primidophos, mixts. with HPPD-inhibiting
 herbicides 39515-40-7D, Cyphenothrin, mixts. with HPPD-inhibiting
 herbicides 39515-41-8D, Fenpropathrin, mixts. with HPPD-inhibiting
 herbicides 40085-57-2D, Tazimcarb, mixts. with HPPD-inhibiting

herbicides 40596-69-8D, Methoprene, mixts. with HPPD-inhibiting
herbicides 40596-80-3D, Triprene, mixts. with HPPD-inhibiting herbicides
41096-46-2D, Hydroprene, mixts. with HPPD-inhibiting herbicides
41198-08-7D, Profenofos, mixts. with HPPD-inhibiting herbicides
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(herbicidal combinations)

L12 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2002:405610 CAPLUS
DOCUMENT NUMBER: 137:145047
TITLE: Simultaneous determination of polar and apolar
organo-phosphorus pesticides and triazine herbicides
by solid-phase microextraction (SPME) in aqueous
samples
AUTHOR(S): Nguyen, Hung Minh; Pham, Hung Viet; Giger, Walter;
Berg, Michael
CORPORATE SOURCE: Centre for Environmental Chemistry (CEC), Hanoi
University of Science, Hanoi, Vietnam
SOURCE: Analytical Sciences (2001), 17(Suppl.), a375-a378
CODEN: ANSCEN; ISSN: 0910-6340
PUBLISHER: Japan Society for Analytical Chemistry
DOCUMENT TYPE: Journal; (computer optical disk)
LANGUAGE: English
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD
(3 CITINGS)
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 55-38-9, Fenthion 56-38-2, Parathion 60-51-5, Dimethoate 62-73-7,
Dichlorvos 121-75-5, Malathion 122-14-5, Fenitrothion 298-00-0,
Parathion methyl 333-41-5, Diazinon 1912-24-9, Atrazine 2921-88-2,
Chlorpyrifos 3766-81-2, Fenobucarb 5598-13-0, Chlorpyrifos
methyl 6190-65-4, Desethylatrazine 13171-21-6, Phosphamidon
RL: ANT (Analyte); ANST (Analytical study)
(simultaneous determination of polar and apolar organo-phosphorus pesticides
and triazine **herbicides** by solid-phase microextn. (SPME) in
aqueous samples)

L12 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2002:286656 CAPLUS
DOCUMENT NUMBER: 136:305521
TITLE: Simultaneous application of pesticides to rice paddies
INVENTOR(S): Uchikurohashi, Toru; Tashima, Takayoshi; Yamamoto,
Yoshinobu; Otsuka, Takashi; Yamaguchi, Rikio; Imano,
Takamichi
PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002114612	A	20020416	JP 2000-307632	20001006
PRIORITY APPLN. INFO.:			JP 2000-307632	20001006
OS.CITING REF COUNT:	1	THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)		

IT 55-38-9, Phenthion 57-13-6D, Urea, derivs. 60-51-5, Dimethoate
63-25-2, Carbaryl 114-26-1, Propoxur 119-12-0, Pyridaphenthion
122-14-5, Phenitrothion 298-04-4, Disulfoton 333-41-5 463-77-4,
Carbamic acid, biological studies 1563-66-2, Carbofuran 1631-58-9,

Nereis toxin 2274-67-1, Dimethylvinphos 2597-03-7, Fenthoate 2631-40-5, Isoprocarb 3572-08-5, Phenocarb 5598-13-0 6923-22-4, Monocrotophos 7292-16-2, Propaphos 11141-17-6, Azadirachtin 15263-53-3, Cartap 17606-31-4, Bensultap 26087-47-8, O,O-Diisopropyl-S-benzyl thiophosphate 27605-76-1 31895-21-3, Thiocyclam 38669-41-9, Phenoxypropionic acid 41814-78-2, 5-Methyl-1,2,4-triazolo[3,4-b]benzothiazole 50512-35-1, Diisopropyl-1,3-dithiolan-2-ylidene malonate 55285-14-8, Carbosulfan 57369-32-1 63935-38-6, Cycloprothrin 65907-30-4, Furathiocarb 66332-96-5 69327-76-0, Buprofezin 71751-41-2, Abamectin 80844-07-1, Ethophenprox 82560-54-1, Benfuracarb 83055-99-6 93697-74-6 94593-91-6 104030-54-8 105024-66-6, Silafluofen 111988-49-9, Thiachloprid 112410-23-8, Tebufenozide 115852-48-7 120068-37-3, Fipronil 120162-55-2 122548-33-8 123572-88-3 126801-58-9 130000-40-7 131860-33-8 133408-50-1 135158-54-2 135410-20-7, Acetamiprid 136849-15-5 138261-41-3, Imidacloprid 143807-66-3, Chromafenozide 150824-47-8, Nitenpyram 153719-23-4, Thiamethoxam 155569-91-8, Emamectin benzoate 161050-58-4, Methoxyfenozide 165252-70-0, Dinotefuran 168316-95-8, Spinosad 210880-92-5, Clothianidin 220305-15-7 223580-51-6
 RL: AGR (Agricultural use); BCP (Biochemical process); BIOL (Biological study); PROC (Process); USES (Uses)
 (simultaneous application of microbicide, herbicide, and insecticide to rice paddies)

L12 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2011 ACS on STN

ACCESSION NUMBER: 2002:210355 CAPLUS

DOCUMENT NUMBER: 136:381730

TITLE: Selecting the right compounds for screening: use of surface-area parameters

AUTHOR(S): Tice, Colin M.

CORPORATE SOURCE: Rohm and Haas Co, Spring House, PA, 19477-0949, USA

SOURCE: Pest Management Science (2002), 58(3), 219-233

CODEN: PMSCFC; ISSN: 1526-498X

PUBLISHER: John Wiley & Sons Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

OS.CITING REF COUNT: 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)

REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 50-29-3, DDT, biological studies 52-68-6, Trichlorfon 54-11-5, Nicotine 55-38-9, Fenthion 56-38-2, Parathion 57-39-6, Metepa 58-89-9, Lindane 60-51-5, Dimethoate 61-82-5, Amitrole 62-73-7, Dichlorvos 63-25-2, Carbaryl 70-43-9, Barthrin 72-43-5, Methoxychlor 72-54-8, TDE 72-56-0, Ethylan 76-03-9, TCA, biological studies 76-44-8, Heptachlor 78-57-9, Menazon 80-33-1, Chlorfenson 83-79-4, Rotenone 86-50-0, Azinphos-methyl 93-65-2, Mecoprop 93-71-0, CDAA 94-74-6, MCPA 94-75-7, 2,4-D, biological studies 94-81-5, MCPB 94-82-6, 2,4-DB 97-17-6, Dichlofenthion 101-42-8, Fenuron 107-49-3, TEPP 114-26-1, Propoxur 115-26-4, Dimefox 115-32-2, Dicofol 115-90-2, Fensulfothion 116-06-3, Aldicarb 116-29-0, Tetradifon 119-12-0, Pyridaphenthion 120-36-5, Dichlorprop 121-20-0, Cinerin II 121-21-1, Pyrethrin I 121-75-5, Malathion 122-10-1, BomyI 122-14-5, Fenitrothion 122-34-9, Simazine 126-22-7, Butonate 133-90-4, Chloramben 139-40-2, Propazine 141-66-2, Dicrotophos 143-50-0, Chlordecone 144-41-2, Morphothion 150-68-5, Monuron 152-16-9, Schradan 297-78-9, Isobenzan 297-97-2, Thionazin 298-00-0, Parathion-methyl 298-02-2, Phorate 298-04-4, Disulfoton 299-84-3, Fenchlorphos 300-76-5, Dibrom 301-12-2, Oxydemeton-methyl 311-45-5, Paraoxon 315-18-4, Mexacarbate 327-98-0, Trichloronate 333-41-5, Diazinon 470-90-6, Chlorfenvinfos 510-15-6, Chlorobenzilate

534-52-1, DNOC 545-55-1, TEPA 555-37-3, Neburon 563-12-2, Ethion
 584-79-2, Allethrin 640-15-3, Thiometon 644-64-4, Dimetilan
 709-98-8, Propanil 732-11-6, Phosmet 741-58-2, Bensulide 759-94-4,
 EPTC 786-19-6, Carbophenothion 834-12-8, Ametryne 841-06-5,
 Methoprotryne 886-50-0 919-86-8, Demeton-S-methyl 944-22-9, Fonofos
 947-02-4, Phosfolan 950-10-7 950-37-8, Methidation 957-51-7,
 Diphenamid 1031-47-6, Triamiphos 1071-83-6, Glyphosate 1113-02-6,
 Omethoate 1114-71-2, Pebulate 1129-41-5, Metolcarb 1134-23-2,
 Cycloate 1172-63-0, Jasmolin II 1194-65-6, Dichlobenil 1420-07-1,
 Dinoterb 1563-66-2, Carbofuran 1582-09-8, Trifluralin 1610-18-0,
 Prometon 1646-88-4, Aldoxycarb 1689-83-4, Ioxynil 1689-84-5,
 Bromoxynil 1698-60-8, Chloridazon 1702-17-6, Clopyralid 1836-75-5,
 Nitrofen 1861-32-1, Dacthal 1861-40-1, Benfluralin 1912-24-9,
 Atrazine 1912-26-1, Trietazine 1918-00-9, Dicamba 1918-11-2,
 Terbutcarb 1918-16-7, Propachlor 1982-47-4, Chloroxuron 1982-49-6,
 Siduron 2008-41-5, Butylate 2032-65-7, Methiocarb 2104-64-5, EPN
 2104-96-3, Bromophos 2164-08-1, Lenacil 2164-17-2, Fluometuron
 2212-67-1, Molinate 2227-17-0, Dienochlor 2275-18-5, Prothoate
 2275-23-2, Vamidothion 2303-16-4, Diallate 2303-17-5, Triallate
 2310-17-0, Phosalone 2312-35-8, Propargite 2385-85-5, Mirex
 2425-10-7, Xyllylcarb 2439-01-2, Quinomethionate 2463-84-5, Dicapthon
 2497-07-6, Oxydisulfoton 2540-82-1, Formothion 2595-54-2, Mecarbam
 2597-03-7, Phenthoate 2631-37-0, Promecarb 2631-40-5, Isoproc carb
 2636-26-2, Cyanophos 2655-14-3, XMC 2655-19-8, Butacarb 2674-91-1,
 Oxydeprofos 2921-88-2, Chlorpyrifos 2941-55-1, Ethiolate 3060-89-7,
 Metobromuron 3244-90-4, Aspon 3309-87-3, DMCP 3337-71-1, Asulam
 3689-24-5, Sulfotep 3766-81-2, Fenobucarb 3792-59-4, EPBP 3811-49-2,
 Dioxabenzofos 3813-05-6, Benazolin 3942-54-9, CPMC 4151-50-2,
 Sulfuramid 4824-78-6, Bromophos-ethyl 4849-32-5, Karbutilate
5598-13-0 5827-05-4, IPSP 5902-51-2, Terbacil 5915-41-3,
 Terbutylazine 6164-98-3, Chlordimeform 6923-22-4, Monocrotophos
 6988-21-2, Dioxacarb 7287-19-6, Prometryn 7287-36-7, Monalide
 7292-16-2, Propaphos 7696-12-0, Tetramethrin 7700-17-6, Crotoxypfos
 7786-34-7, Mevinphos 8001-35-2, Toxaphene 10265-92-6, Methamidophos
 10311-84-9, Dialifor 10453-86-8, Resmethrin 11141-17-6, Azadirachtin
 12407-86-2, Trimethacarb 13067-93-1, Cyanofenphos 13071-79-9, Terbufos
 13171-21-6, Phosphamidon 13181-17-4, Bromofenoxim 13194-48-4,
 Ethoprophos 13360-45-7, Chlorbromuron 13593-03-8, Quinalphos
 13684-56-5, Desmedipham 13684-63-4, Phenmedipham 14816-18-3, Phoxim
 14816-20-7, Chlorphoxim 15263-53-3, Cartap 15299-99-7, Napropamide
 15972-60-8, Alachlor 16752-77-5, Methomyl 17606-31-4, Bensultap
 18181-70-9, Iodofenphos 18181-80-1, Bromopropylate 18854-01-8,
 Isoxathion 19044-88-3, Oryzalin 19937-59-8, Metoxuron 20354-26-1,
 Methazole 21548-32-3, Fosthietan 21609-90-5, Leptophos 21725-46-2,
 Cyanazine 22224-92-6, Fenamiphos 22248-79-9, Tetrachlorvinfos
 22259-30-9, Formetanate 22781-23-3, Bendiocarb 23031-36-9, Prallethrin
 23103-98-2, Pirimicarb 23184-66-9, Butachlor 23505-41-1,
 Pirimiphos-ethyl 23560-59-0, Heptenophos 23950-58-5, Pronamide
 24017-47-8, Triazophos 24151-93-7, Piperophos 24934-91-6, Chlormepfos
 25057-89-0, Bentazone 25171-63-5, Thiocarboxime 25311-71-1, Isofenphos
 25319-90-8, MCPA-thioethyl 25402-06-6, Cinerin I 26002-80-2,
 Phenothrin 26399-36-0, Profluralin 27314-13-2, Norflurazon
 28249-77-6, Thiobencarb 29091-05-2, Dinitramine 29091-21-2, Prodiamine
 29104-30-1, Benzoximate 29973-13-5, Ethiofencarb 30560-19-1, Acephate
 31218-83-4, Propetamphos 32861-85-1, Chlomethoxyfen 33089-61-1,
 Amitraz 33245-39-5, Fluchloralin 33820-53-0, Isopropalin 34256-82-1,
 Acetochlor 34622-58-7, Orbencarb

RL: AGR (Agricultural use); PRP (Properties); BIOL (Biological study);
 USES (Uses)

(use of surface-area parameters for agrochem. screening of
herbicides and insecticides)

=> log h

(FILE 'HOME' ENTERED AT 10:11:42 ON 10 FEB 2011)

FILE 'REGISTRY' ENTERED AT 10:12:03 ON 10 FEB 2011

E THIAMETHOXAM/CN
L1 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON THIAMETHOXAM/CN
E TEFLURIN/CN
E TEFLUTHRIN/CN
L2 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON TEFLUTHRIN/CN
E FERBUFOS/CN
E TERBUFOS/CN
L3 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON TERBUFOS/CN
L4 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON CHLORPYRIFOS/CN
E CHLORPYRIFOS-METHYL/CN
L5 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON CHLORPYRIFOS-METHYL/C
N

FILE 'CAPLUS' ENTERED AT 10:15:27 ON 10 FEB 2011

L6 90 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) (L1 OR
L2 OR L3 OR L4 OR L5)
L7 0 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L1 (L)
L2 (L) L3 (L) L4 (L) L5
L8 0 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L1 (L)
L2 (L) L3 (L) L4
L9 0 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L1 (L)
L2 (L) L3
L10 0 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L1 (L)
L2
D L6 IBIB HIT 80-90
L11 85 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) (L2 OR
L3 OR L4 OR L5)
L12 5 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L5
L13 67 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L4
L14 25 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L3
L15 7 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON HERBICIDE (L) L2
D L15 IBIB HIT 7
D L15 IBIB HIT 1-6
D L12 IBIB HIT 1-5

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	86.96	118.75
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-9.57	-9.57

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:23:32 ON 10 FEB 2011